

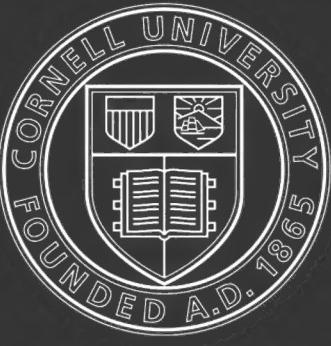
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ICONOGRAPHY
OF
AUSTRALIAN SPECIES OF ACACIA
AND
COGNATE GENERA,

BY
BARON FERD. VON MUELLER, K.C.M.G., M. & PH.D., F.R.S.,
GOVERNMENT BOTANIST OF THE COLONY OF VICTORIA.

"SED GAUDEBITIS ET EXULTABITIS USQUE AD SEMPERNUN IN IIS, QUAE DEUS CREABAT."—*Prophetia Isaiae*, lxxv. 18.

SEVENTH DECADE.

BY AUTHORITY:
ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.
1887.
PRICE—THREE SHILLINGS.

C.T

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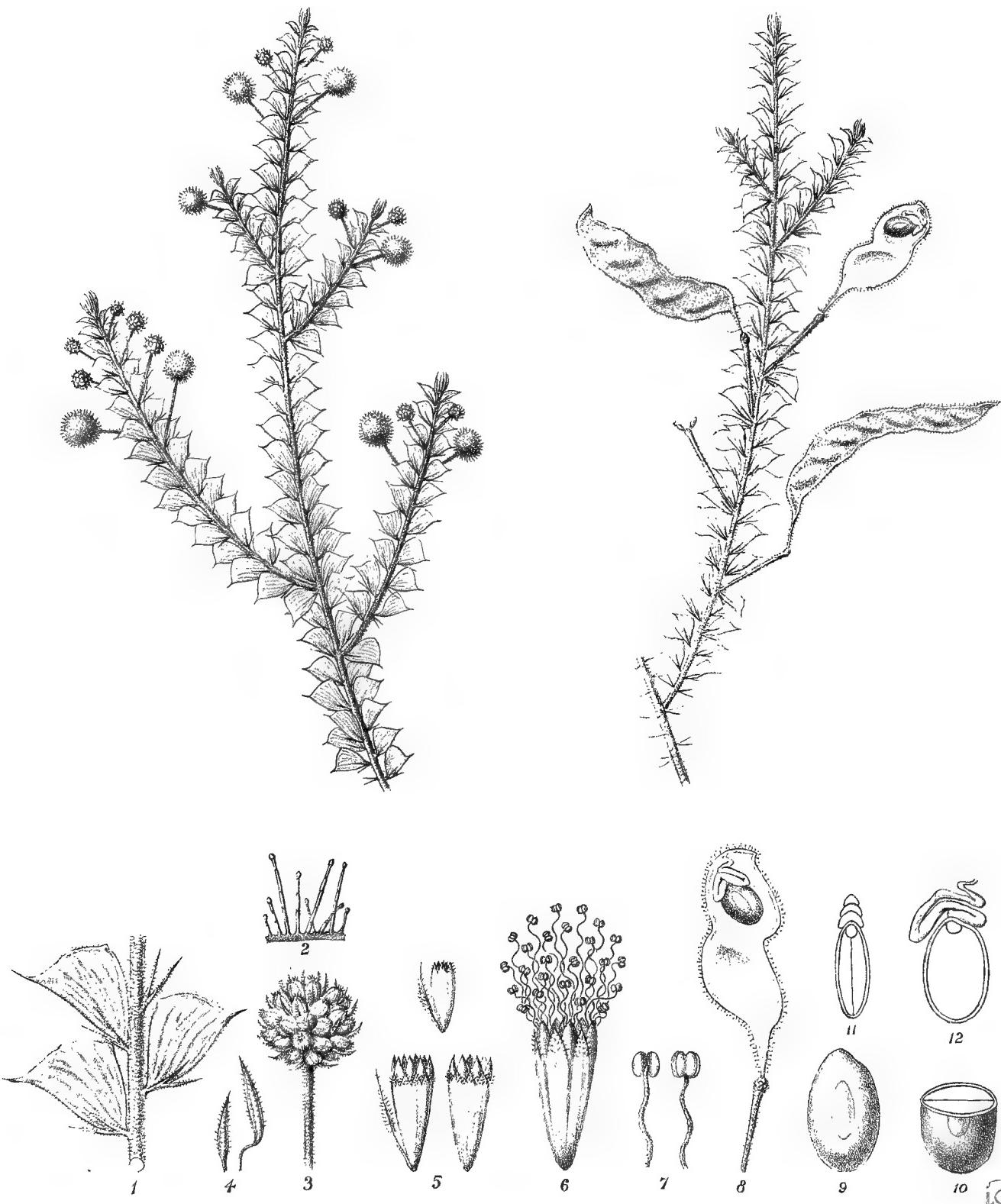
1887.

ACACIA STIPULOSA.

F. v. M. in Journal of the Linnean Society iii. 119 (1858).

- 1, portion of a branchlet with phyllodia and stipules.
- 2, glandular hairlets.
- 3, head of unexpanded flowers.
- 4, bracts.
- 5, two unexpanded flowers.
- 6, expanded flower.
- 7, back- and front-view of stamens.
- 8, lower portion of fruit-valve with a seed.
- 9, a seed separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.

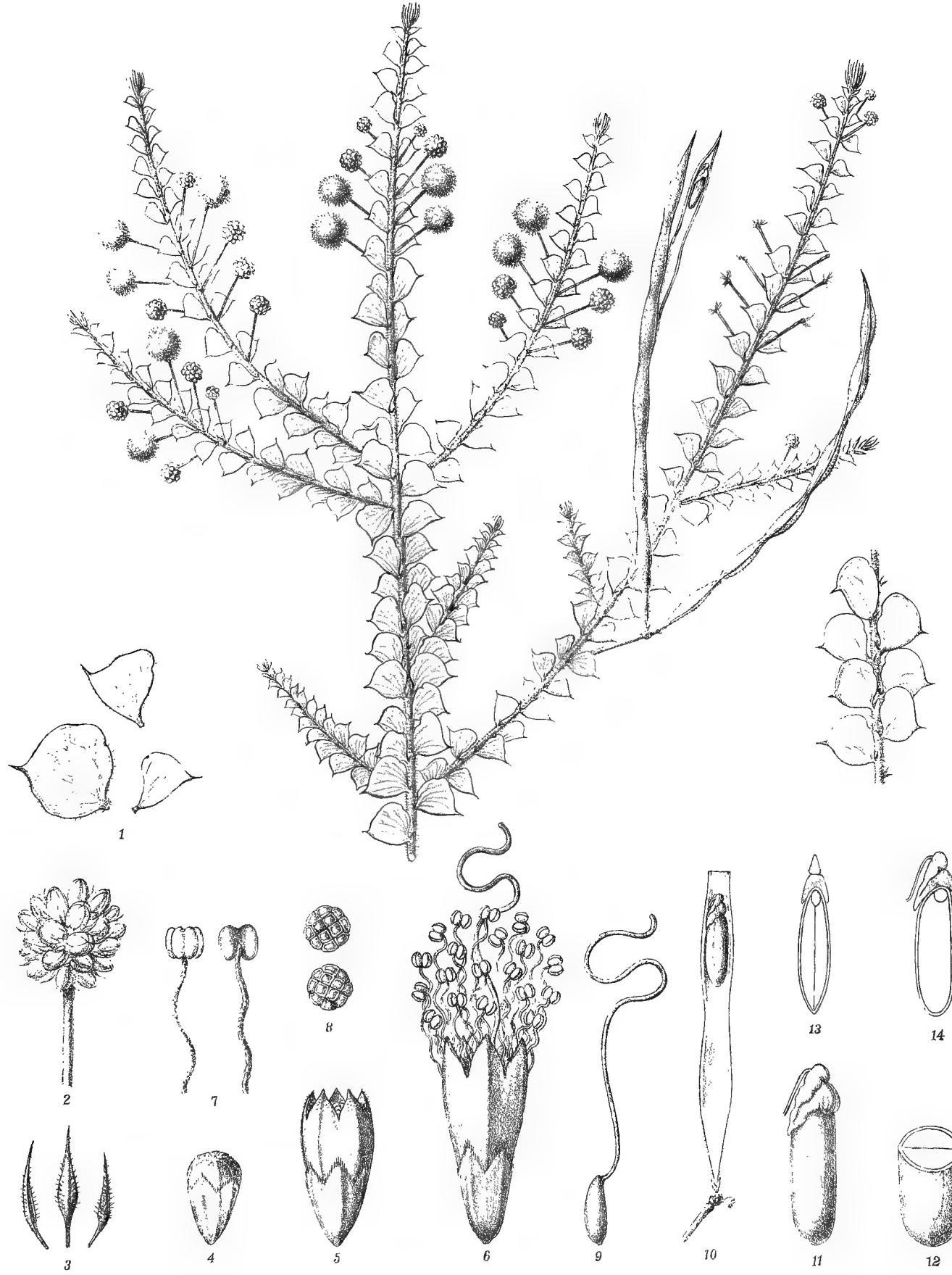


ACACIA LUEHMANNI.

F. v. M. fragmenta phytographiæ Australiæ xi. 116 (1881).

- 1, phyllodia.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanding flower.
- 6, fully expanded flower.
- 7, front- and back-view of stamens.
- 8, pollen-grains.
- 9, pistil.
- 10, lower portion of a fruit-valve with a seed.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.

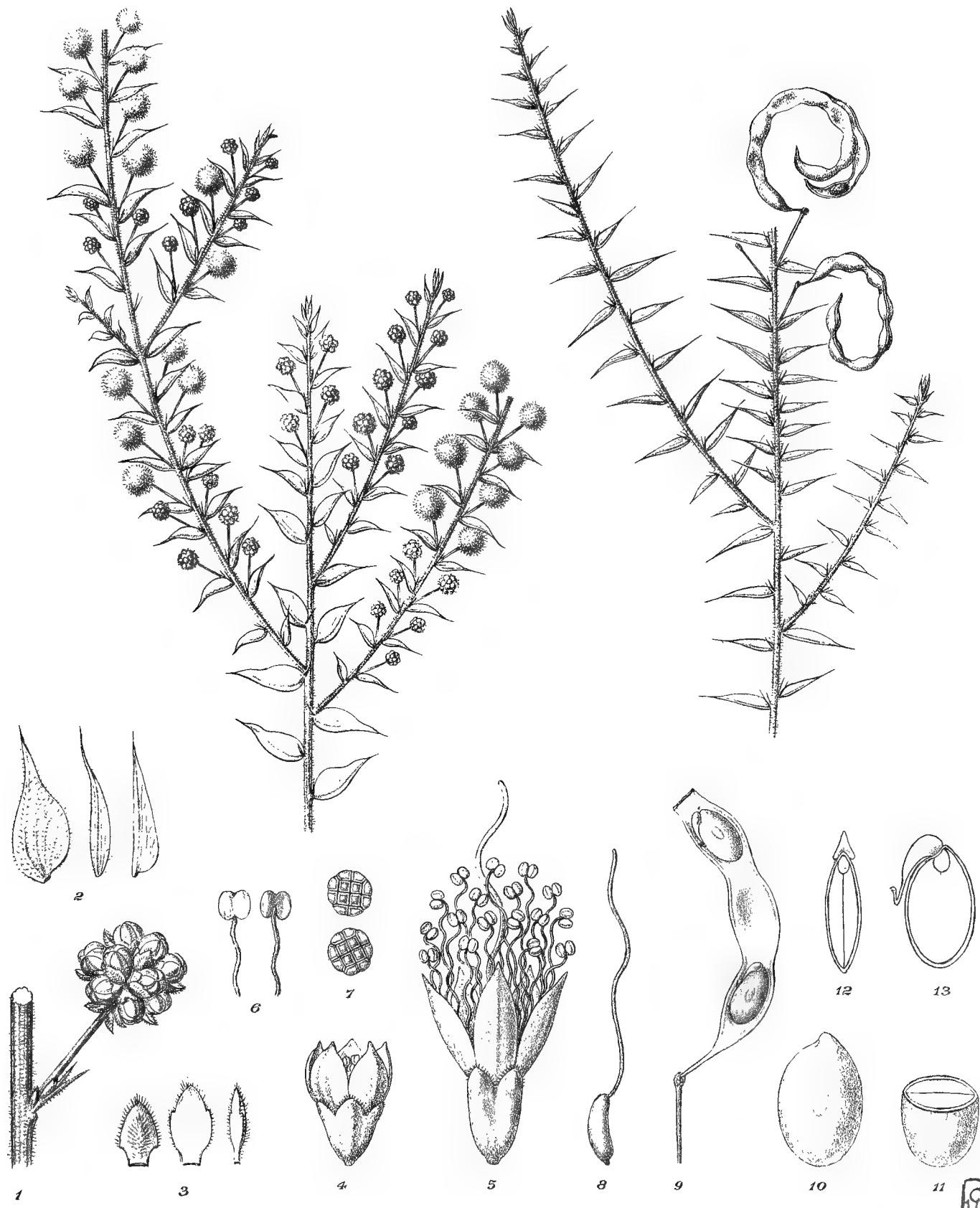


ACACIA AMBLYGONA.

A. Cunningham in Hooker's London Journal of Botany i. 332 (1842).

- 1, portion of branchlet with stipules and a stalked head of unexpanded flowers.
- 2, phyllodia.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of stamens.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

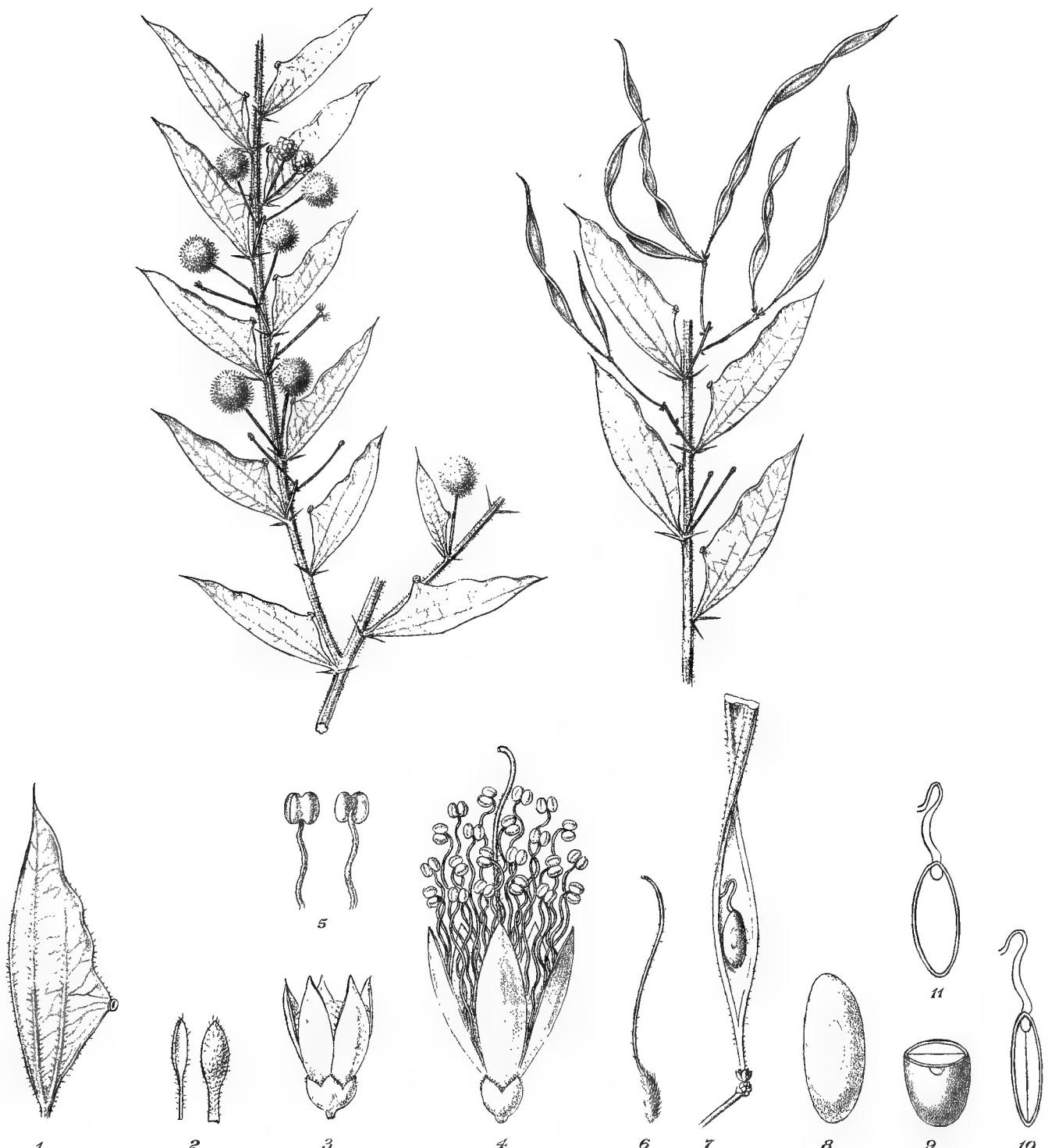
All enlarged, but to various extent.



ACACIA SCALPELLIFORMIS.

Meissner in Lehmann's Plantæ Preissianæ ii. 200 (1847).

- 1, a phyllodium.
 - 2, bracts.
 - 3, unexpanded flower.
 - 4, expanded flower.
 - 5, front- and back-view of stamens.
 - 6, pistil.
 - 7, lower portion of fruit-valve with a seed.
 - 8, a seed separated.
 - 9, transverse section of a seed.
 - 10 and 11, longitudinal sections of seeds.
- All enlarged, but to various extent.



ACACIA PHLEBOCARPA.

F. v. M. in the Journal of the Linnean Society iii. 119 (1858).

- 1, portions of phyllodia.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanding flower.
- 6, fully expanded flower.
- 7, front- and back-view of stamens.
- 8, pollen-grain.
- 9, pistil.
- 10, lower portion of fruit-valve with seeds.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA IMPRESSA.

F. v. M. in the Journal of the Linnean Society iii. 133 (1858).

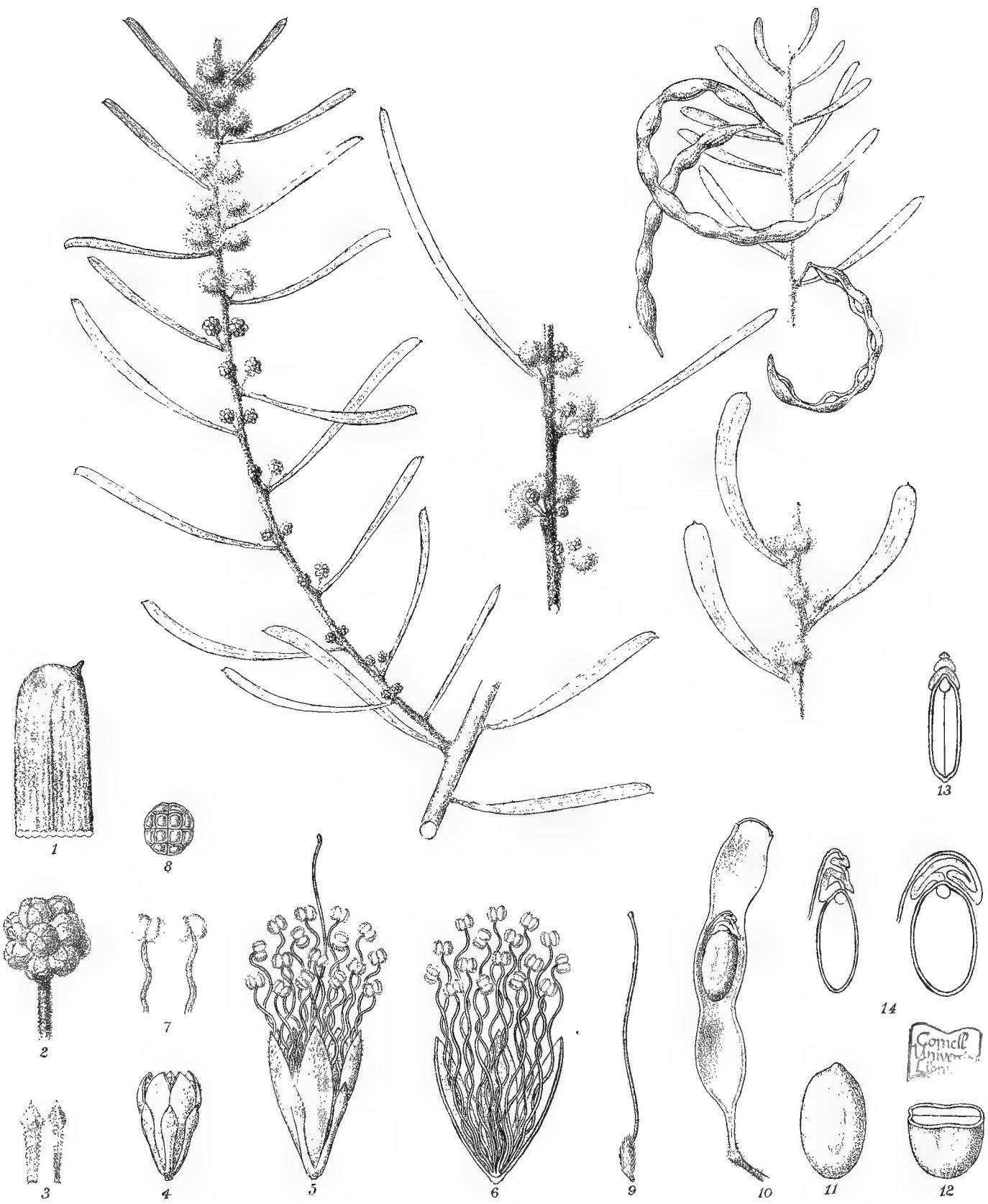
- 1, portions of phyllodia.
 - 2, head of unexpanded flowers.
 - 3, bracts.
 - 4, unexpanded flower.
 - 5, expanded flower.
 - 6, back- and front-view of a stamen.
 - 7, pollen-grain.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with seeds.
 - 10, transverse section of a seed.
 - 11 and 12, longitudinal sections of seeds.
- All enlarged, but to various extent.



ACACIA FARINOSA.

Lindley in Mitchell's Three Expeditions ii. 145 (1838)..

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, longitudinal section of an expanded flower.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, pistil.
- 10, lower portion of a fruit-valve with a seed.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
All enlarged, but to various extent.



R Graff del C Troedel & C° Lith.

F.v.Mdirexit

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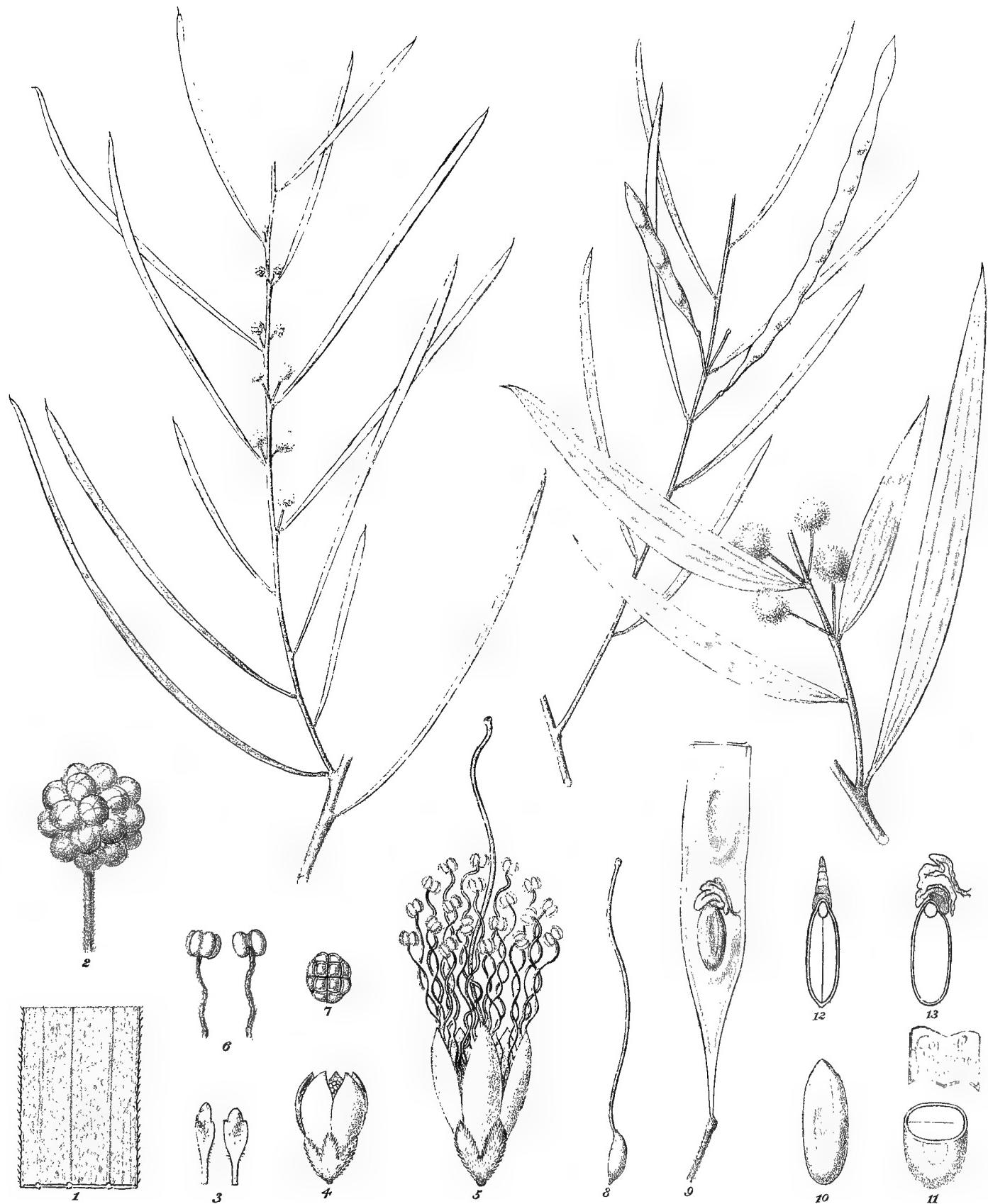
Acacia farinosa Lindley.

ACACIA SUBPOROSA.

F. v. M. Plants of Victoria ii. 24 (1860).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

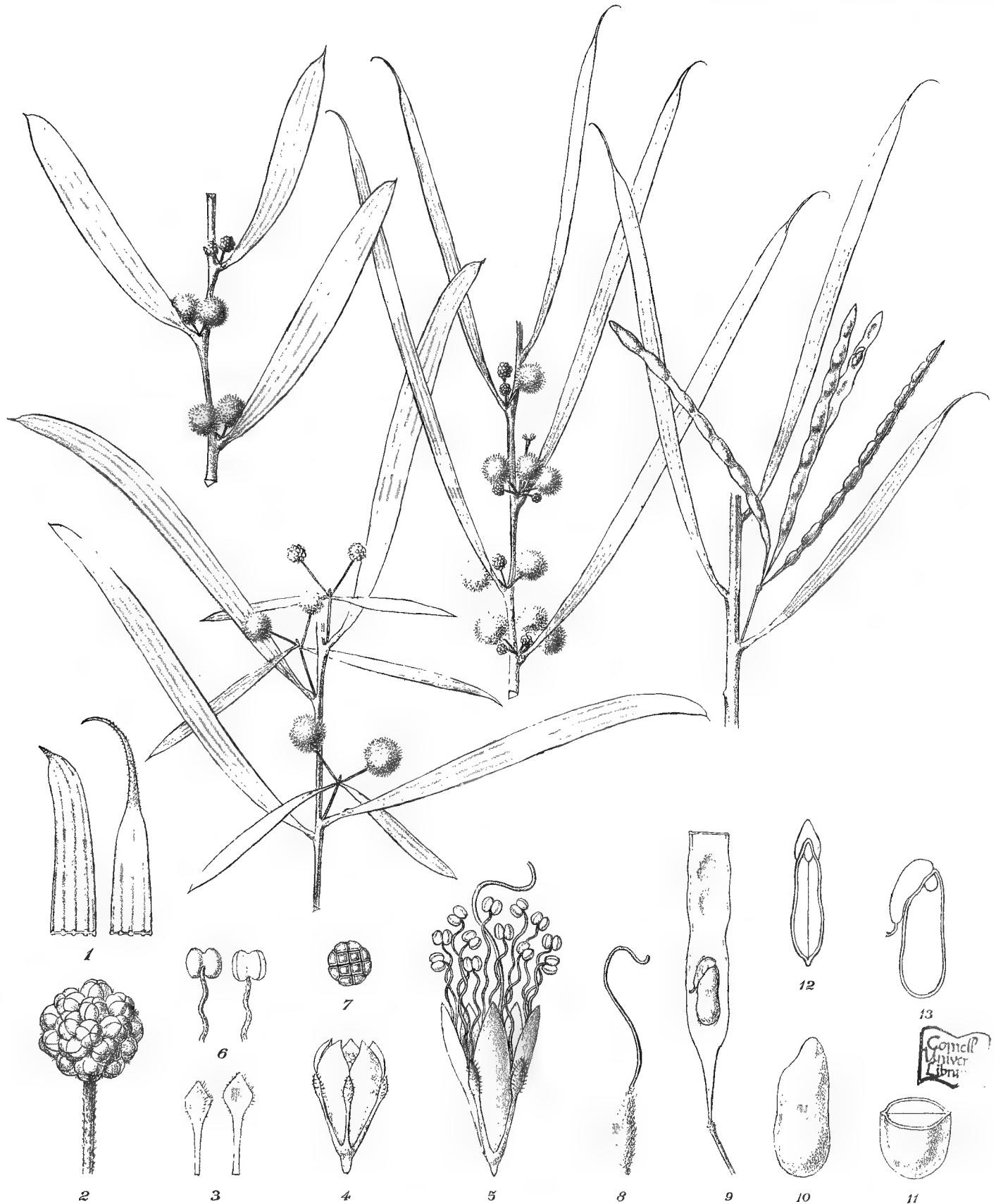
All enlarged, but to various extent.



ACACIA HETEROCLITA.

Meissner in Lehmann's Plantæ Preissianæ i. 318 (1845).

- 1, portion of phyllodia.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, back- and front-view of stamens.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.
All enlarged, but to various extent.



R Graff del C. Troedel & C° Lith.

F v M direxit.

Steam Litho Gov Printing Office, Melb.

Acacia heteroclita Meissner.

ACACIA SIMSII.

A. Cunningham in Hooker's London Journal of Botany i. 368 (1842).

- 1, portion of phyllodia.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanding flower.
- 6, fully expanded flower.
- 7, back- and front-view of a stamen.
- 8, pollen-grains.
- 9, pistil.
- 10, lower portion of a fruit-valve with a seed.
- 11, two seeds separated.
- 12, transverse sections of seeds.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.



C O N T E N T S.

ACACIA STIPULOSA.	{	ACACIA IMPRESSA.
LUEHMANNI.		FARINOSA.
AMBLYGONA.		SUBPOROSA.
SCALPELLIFORMIS.		HETEROCLITA.
PHLEBOCARPA.		SIMSII.

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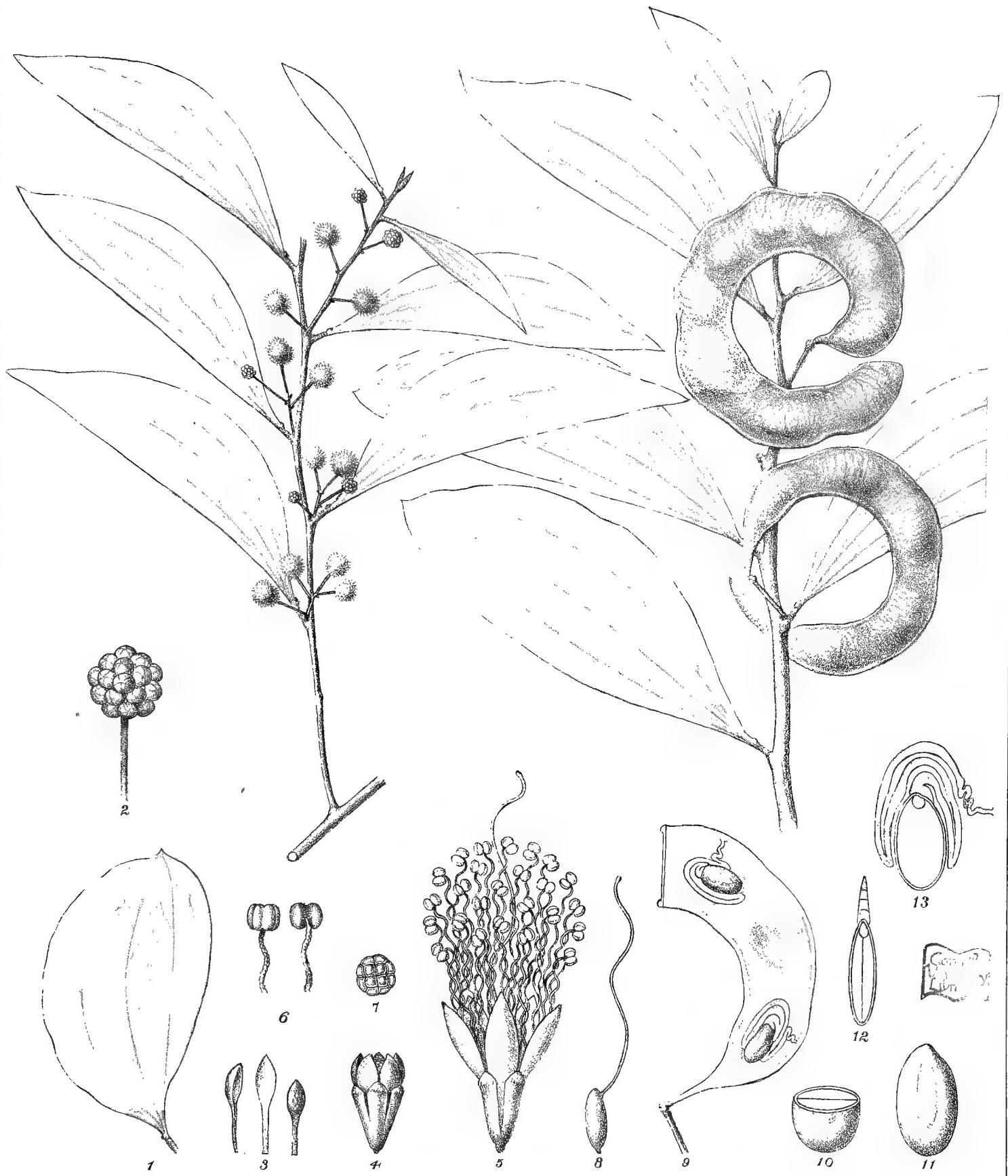
1887.

ACACIA ORARIA.

F. v. M. fragmenta phytographiae Australiae xi. 66 (1879).

- 1, a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, transverse section of a seed.
- 11, a seed separated.
- 12 and 13, longitudinal sections of seeds.

All except 1 enlarged, but to various extent.

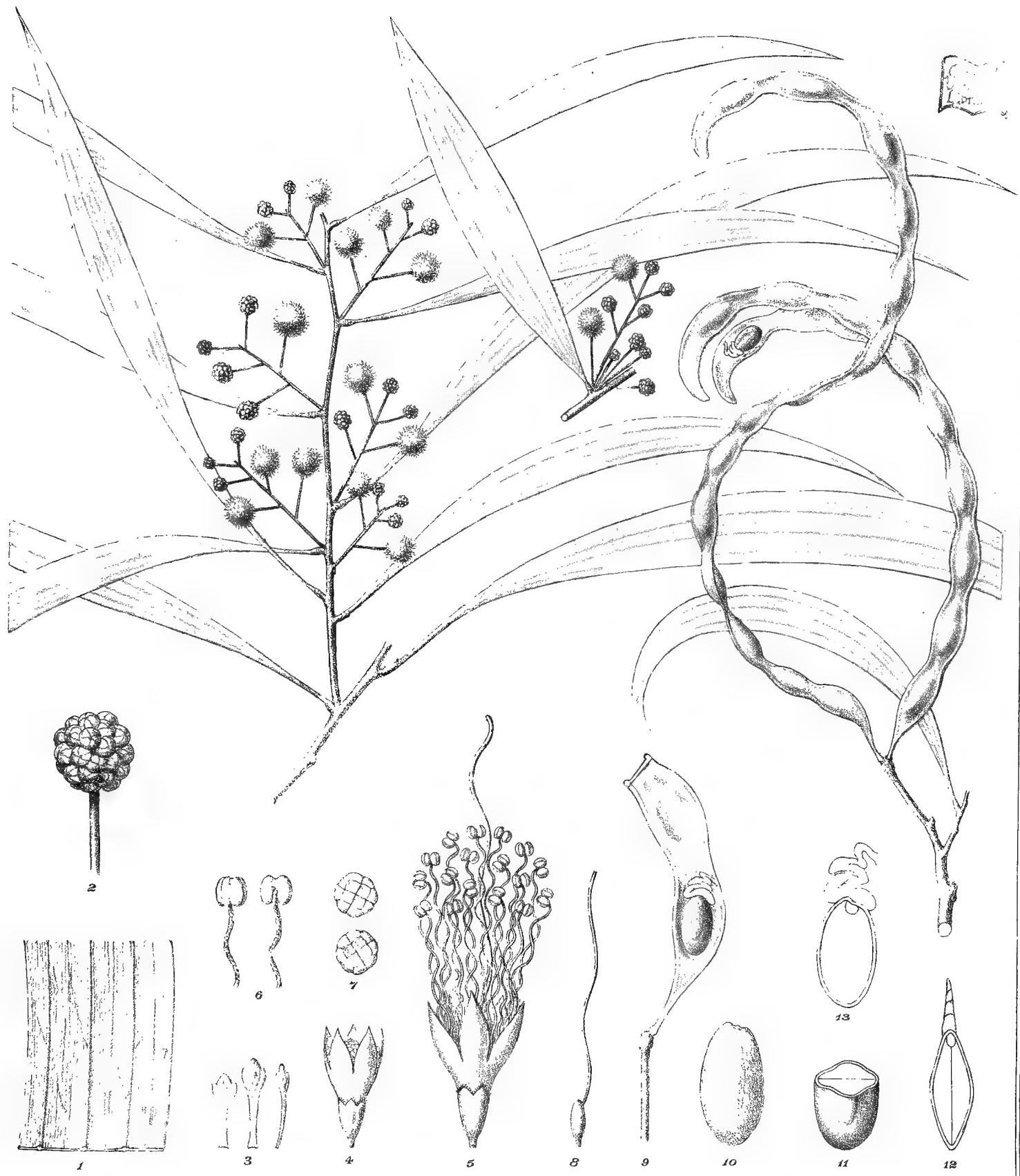


ACACIA IMPLEXA.

Bentham in Hooker's London Journal i. 368 (1842).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.

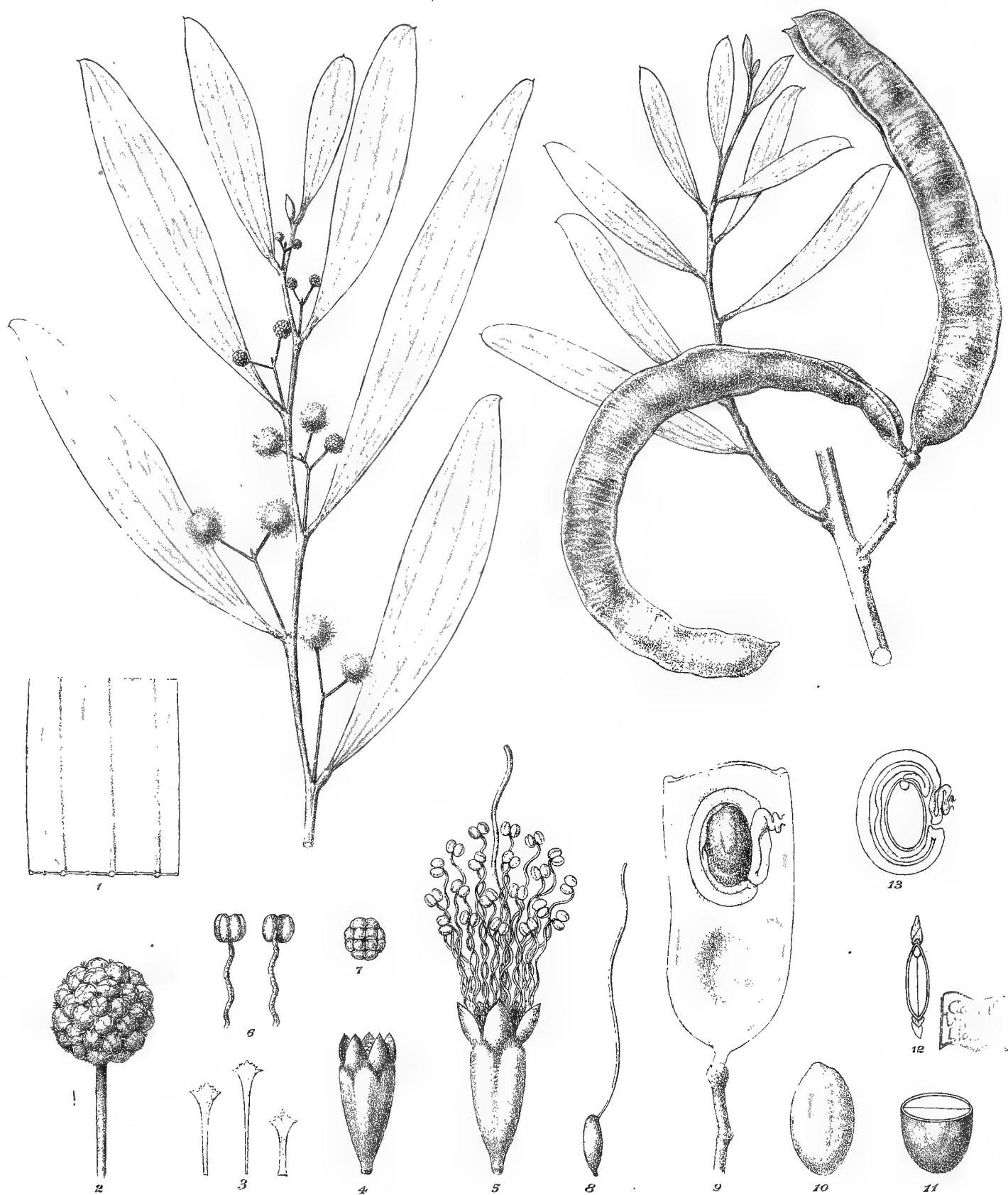


ACACIA CYCLOPIS.

A. Cunningham in Loudon's *hortus Britannicus* 407 (1830)-

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.

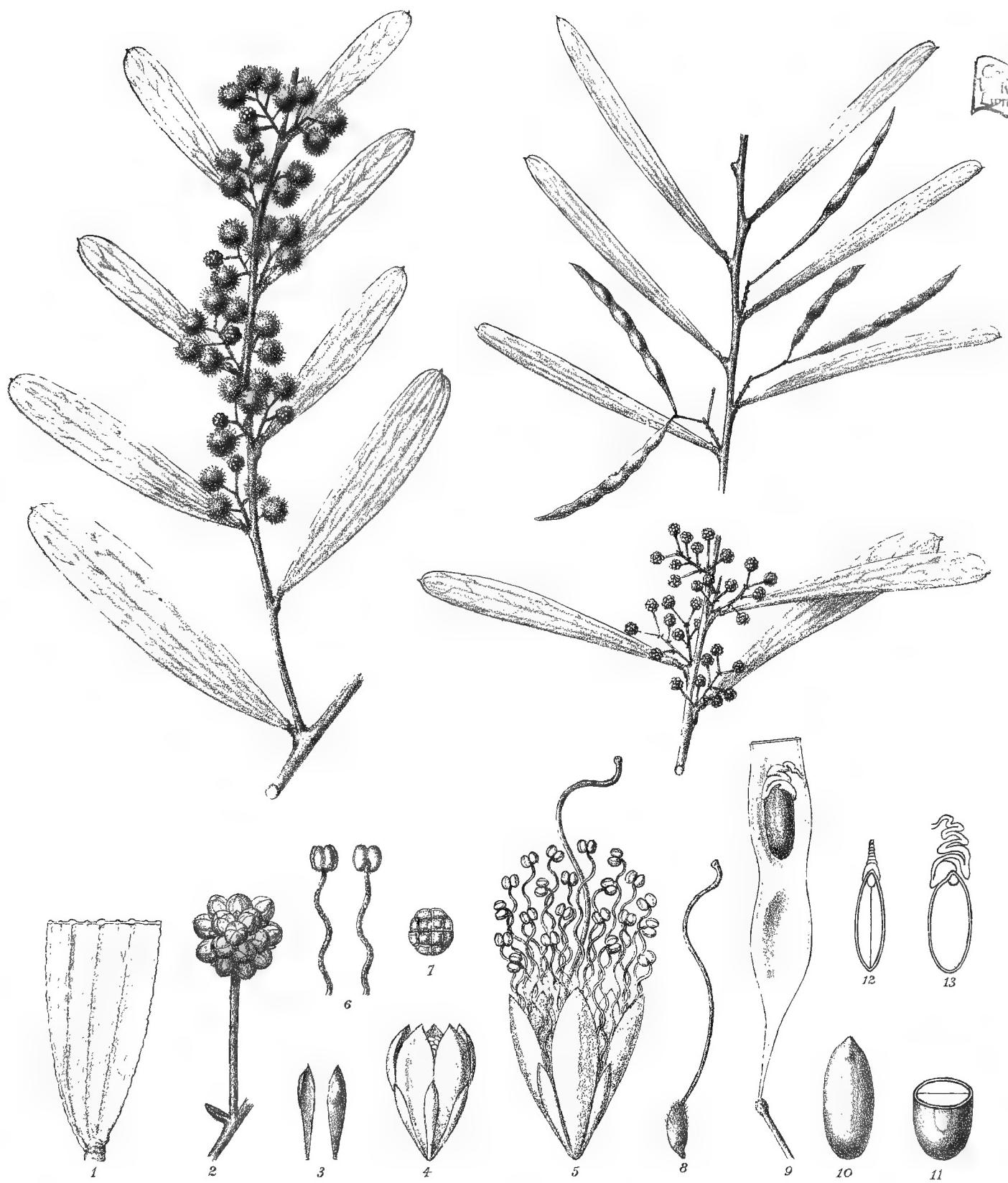


ACACIA TRINEURA.

F. v. M. Plants of Victoria ii. 25 (1860).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower. -
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

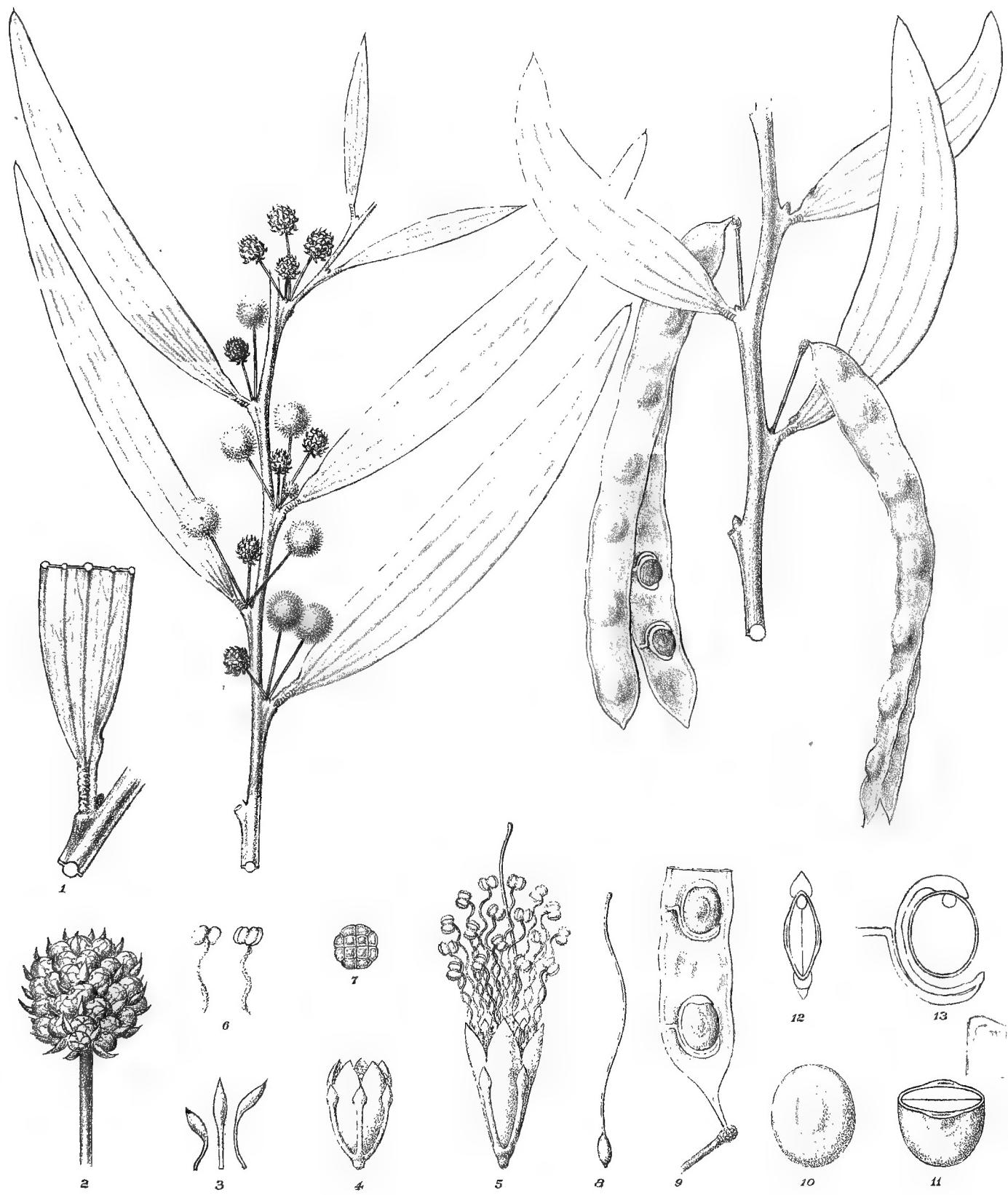
All enlarged, but to various extent.



ACACIA HOMALOCLADA.

F. v. M. fragmenta phytographiae Australiae xi. 34 (1878).

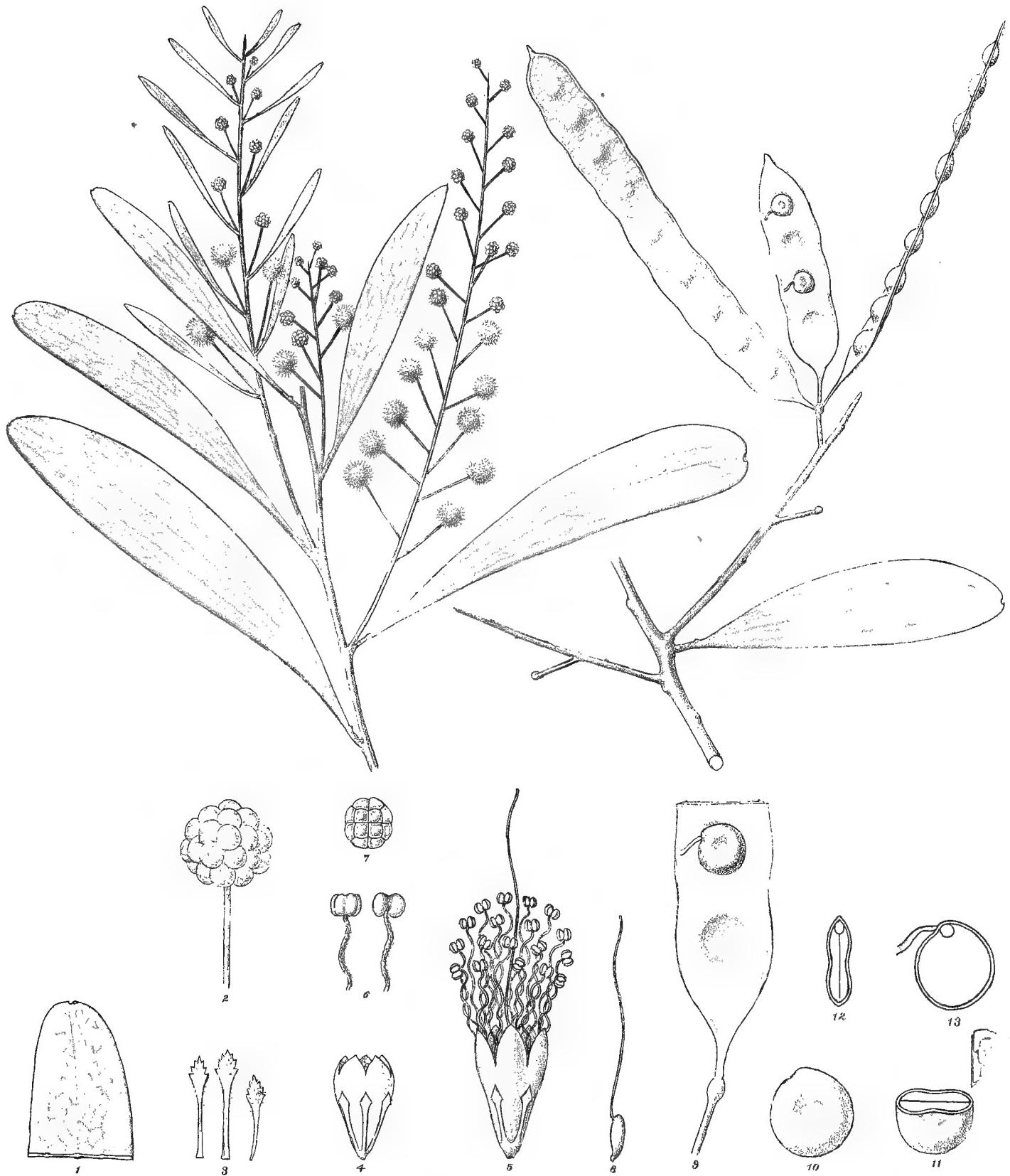
- 1, portion of a phyllodium.
 - 2, head of unexpanded flowers.
 - 3, bracts.
 - 4, unexpanded flower.
 - 5, expanded flower.
 - 6, front- and back-view of a stamen.
 - 7, pollen-grain.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with seeds.
 - 10, a seed separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.



ACACIA HEMIGNOSTA.

F. v. M. in Journal of the Linnean Society iii. 134 (1858).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.
All enlarged, but to various extent.



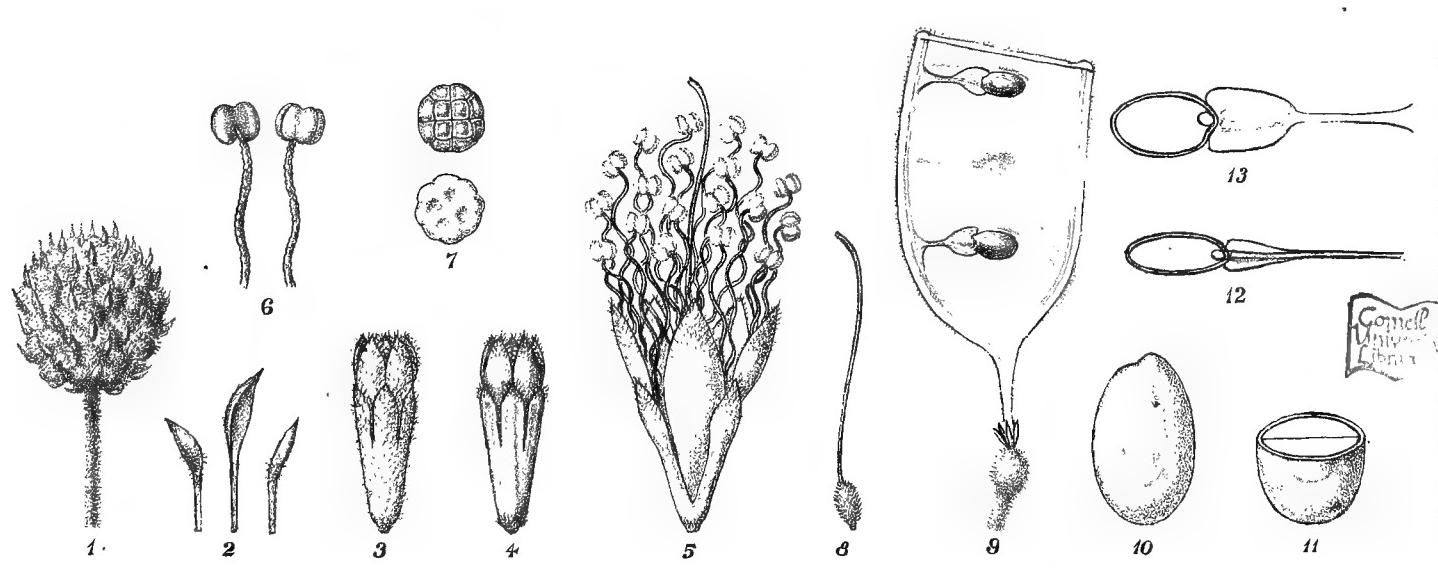
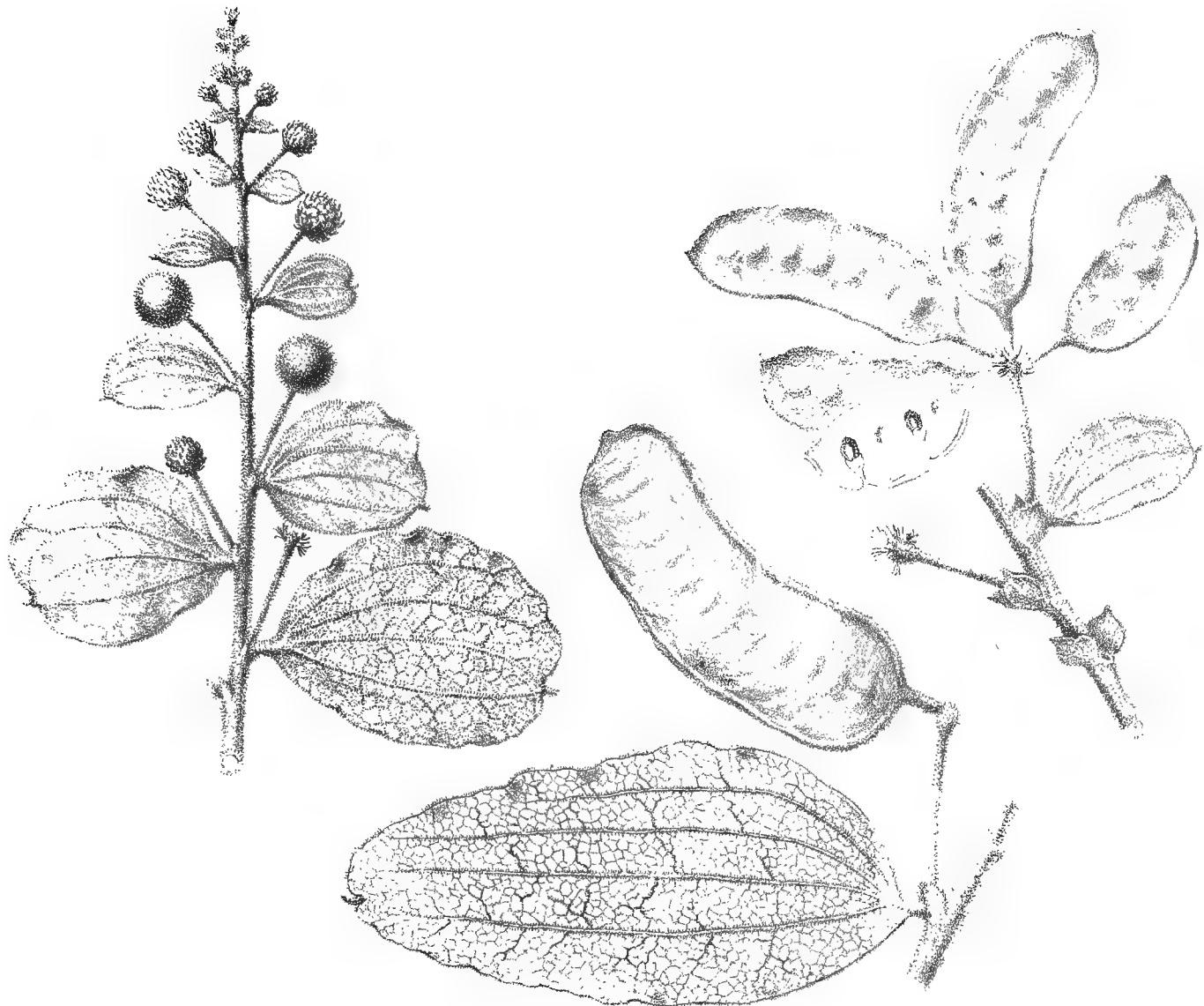


ACACIA RETIVENEA.

F. v. M. fragmenta phytographiae Australiae iii. 128 (1863).

- 1, head of unexpanded flowers.
- 2, bracts.
- 3 and 4, unexpanded flowers.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA FLAVESCENS.

A. Cunningham in Hooker's London Journal i. 381 (1842).

- 1, head of unexpanded flowers.
 - 2, bracts.
 - 3, unexpanded flower.
 - 4, expanded flower.
 - 5, front- and back-view of a stamen.
 - 6, pollen-grain.
 - 7, pistil.
 - 8, lower portion of a fruit-valve with seed.
 - 9, a seed separated.
 - 10, transverse section of a seed.
 - 11 and 12, longitudinal sections of seeds.
- All enlarged, but to various extent.



R. Graff, del C. Troedel & C° Lith.

F. v. M. direxit

Steam Litho. Govt Printing Office Melb.

Acacia flavesrens A. Cunningham.

ACACIA DINEURA.

F. v. M. in Journal of the Linnean Society iii. 130 (1858).

- 1, portions of phyllodia.
 - 2, head of unexpanded flowers.
 - 3, bracts.
 - 4, unexpanded flower.
•
 - 5, expanded flower.
 - 6, front- and back-view of a stamen.
 - 7, pollen-grain.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with seed.
 - 10, a seed separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.



C O N T E N T S.

ACACIA ORARIA.	{	ACACIA HEMIGNOSTA.
IMPLEXA.		DICTYOPHLEBA.
CYCLOPIS.		RETIVENEA.
TRINEURA.		FLAVESCENS.
HOMALOCLADA		DINEURA.

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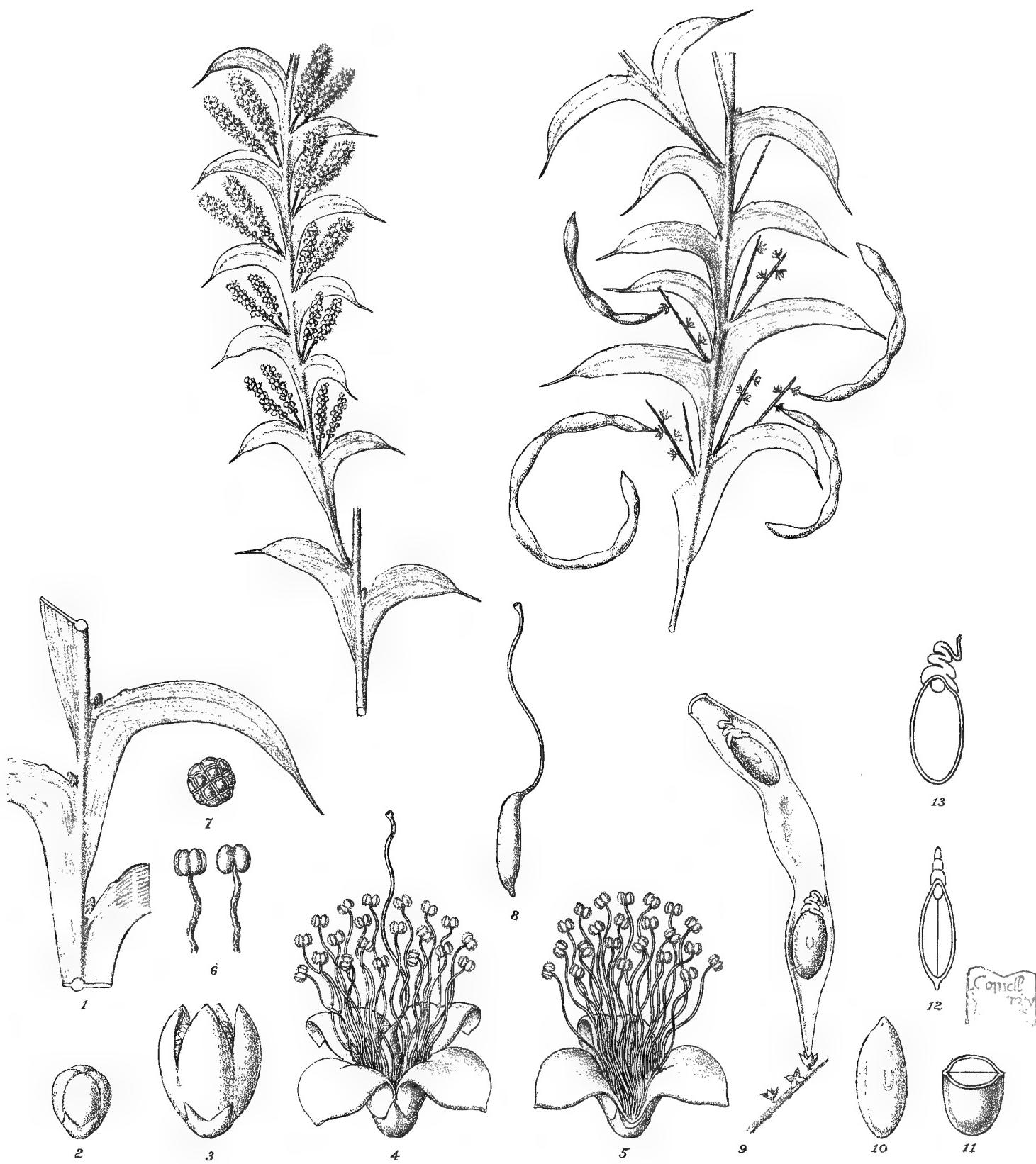
BY AUTHORITY: *b*
ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.
1888.

ACACIA TRIPTERA.

Bentham in Hooker's London Journal of Botany i. 325 (1842).

- 1, portion of a branchlet.
- 2, flower-bud.
- 3, unexpanded flower.
- 4, expanded flower, perfect.
- 5, flower, laid open, staminate only.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.

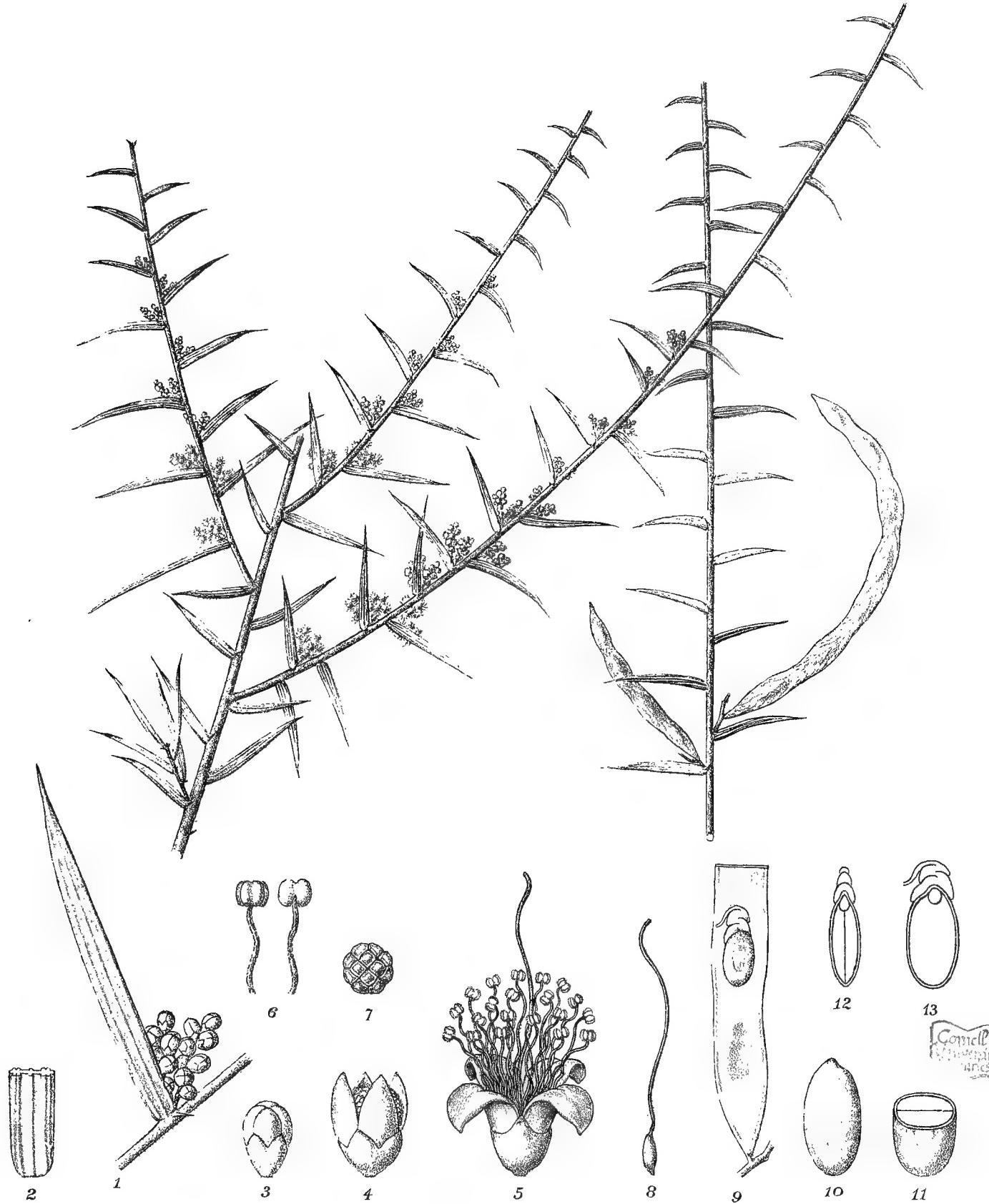


ACACIA RHIGIOPHYLLA.

F. v. M. in Schlechtendal's Linnaea xxvi. 611 (1853).

- 1, portion of a branchlet.
- 2, portion of a phyllodium.
- 3, flower-bud.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA ALPINA.

F. v. M. fragmenta phytographiae Australiae iii. 129 (1863).

- 1, a phyllodium.
 - 2, portion of inflorescence.
 - 3, bracts.
 - 4, flower-bud.
 - 5, unexpanded flower.
 - 6, expanded flower.
 - 7, front- and back-view of a stamen.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with seeds.
 - 10, a seed, separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.



ACACIA DALLACHIANA.

F. v. M. fragmenta phytographiae Australiae i. 7 (1858).

- 1, portion of a phyllodium.
 - 2, portion of a spike before expansion.
 - 3, portion of a spike, the flowers dropped.
 - 4, unexpanded flower.
 - 5, expanded flower.
 - 6, front- and back-view of a stamen.
 - 7, pollen-grain.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with a seed.
 - 10, a seed, separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.



R.Graff del. C.Troedel & C^o Lith.

F.V.M direxit.

Steam Litho. Govt Printing Office Melb.

Acacia

Dallachiana

FVM

ACACIA COCHLIOCARPA.

Meissner in der Botanischen Zeitung 10 (1855).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, front- and back-view of a stamen.
- 6, pollen-grain.
- 7, pistil.
- 8, lower portion of a fruit-valve with a seed.
- 9, a seed, separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.
All enlarged, but to various extent.



ACACIA CINCINNATA.

F. v. M. fragmenta phytographiae Australiae xi. 35 (1878).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, flower-bud.
- 4, unexpanded flower.
- 5, expanded flower, perfect.
- 6, flower, laid open, staminate only.
- 7, front- and back-view of a stamen.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12, longitudinal section of a seed, showing the cotyledons.
- 13, longitudinal section of a seed, showing the funicle.

All enlarged, but to various extent.



R. Graff del. C. Troedel & Co Lith.

FvM. direxit.

Steam Litho. Govt. Printing Office Melb.

Acacia cincinnata FvM.

ACACIA LATIFOLIA.

Bentham in Hooker's London Journal of Botany i. 382 (1842).

- 1, portion of an unexpanded spike.
- 2, bracts.
- 3 and 4, unexpanded flowers.
- 5, expanded flower.
- 6, flower, laid open, staminate only, one petal removed.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, pistil.
- 10, lower portion of a fruit-valve with a seed
- 11, a seed, separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
All enlarged, but to various extent.



ACACIA TUMIDA.

F. v. M. in the Journal of the Linnean Society iii. 144 (1858).

- 1, portion of a phyllodium.
 - 2, portion of an unexpanded spike.
 - 3, bracts.
 - 4, unexpanded flower.
 - 5, expanded flower.
 - 6, front- and back-view of a stamen.
 - 7, pollen-grain.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with seeds.
 - 10, a seed, separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.



R.Graff del. C.Troedel & C° Luth.

F.v.M direxit.

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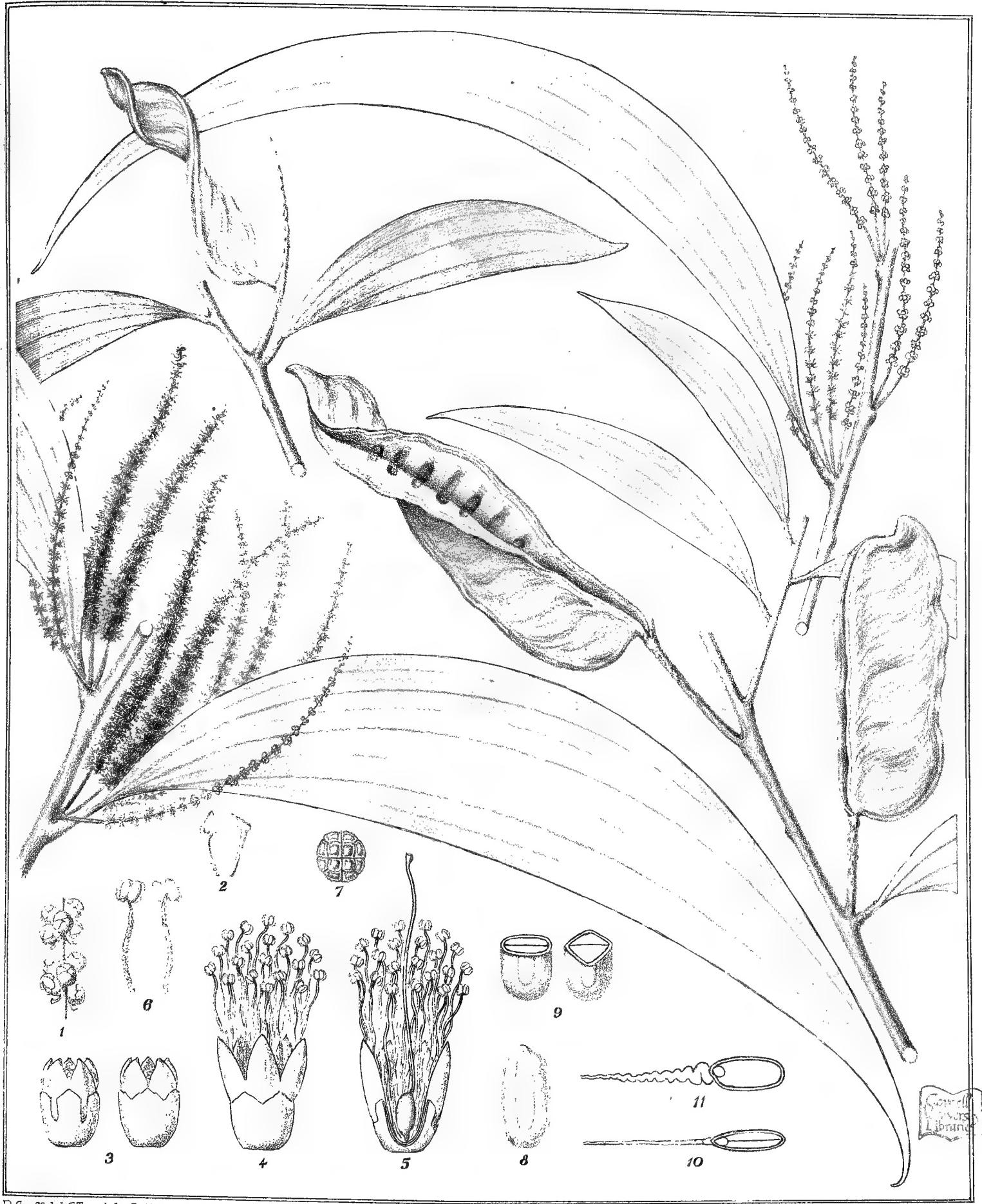
Acacia tumida F.V.M.

ACACIA AULACOCARPA.

Cunningham in Hooker's London Journal of Botany i. 379 (1842).

- 1, portion of inflorescence.
- 2, bracts.
- 3, unexpanded flower.
- 4, staminate flower.
- 5, perfect flower, laid open.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, a seed, separated.
- 9, transverse section of a seed.
- 10 and 11, longitudinal sections of seeds.

All enlarged, but to various extent.



R.Graff.del C.Troedel & C° Lith

Fv.Mdirexit

SteamLitho Gov. Printing. Office. Melb

Acacia aulacocarpa A.Cunningham.

Garrad
University
Library

C O N T E N T S.

ACACIA TRIPTERA.	{	ACACIA CINCINNATA.
RHIGIOPHYLLA.		LATIFOLIA.
ALPINA.		TUMIDA.
DALLACHIANA.		AULACOCARPA.
COCHLIOCARPA.		AURICULIFORMIS.

ICONOGRAPHY

OF

AUSTRALIAN SPECIES OF ACACIA

AND

COGNATE GENERA,

BY

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GOVERNMENT BOTANIST OF THE COLONY OF VICTORIA.

"*SED GAUDEBITIS ET EXULTABITIS USQUE AD SEMPERENUM IN IIS, QUADE DEUS CREATBAT.*"—*Prophetia Isaiae*, lxv. 18.

ELEVENTH DECADE.

BY AUTHORITY:

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1888.

PRICE—THREE SHILLINGS.

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ELEVENTH DECADE.

BY AUTHORITY:

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1888.

ACACIA DELIBRATA.

Cunningham in Hooker's London Journal of Botany i. 374 (1842).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, back- and front-view of a stamen.
- 6, pistil.
- 7, portion of a fruit-valve with a seed.
- 8, a seed, separated.
- 9, transverse section of a seed.
- 10 and 11, longitudinal sections of seeds.

All enlarged, but to various extent.

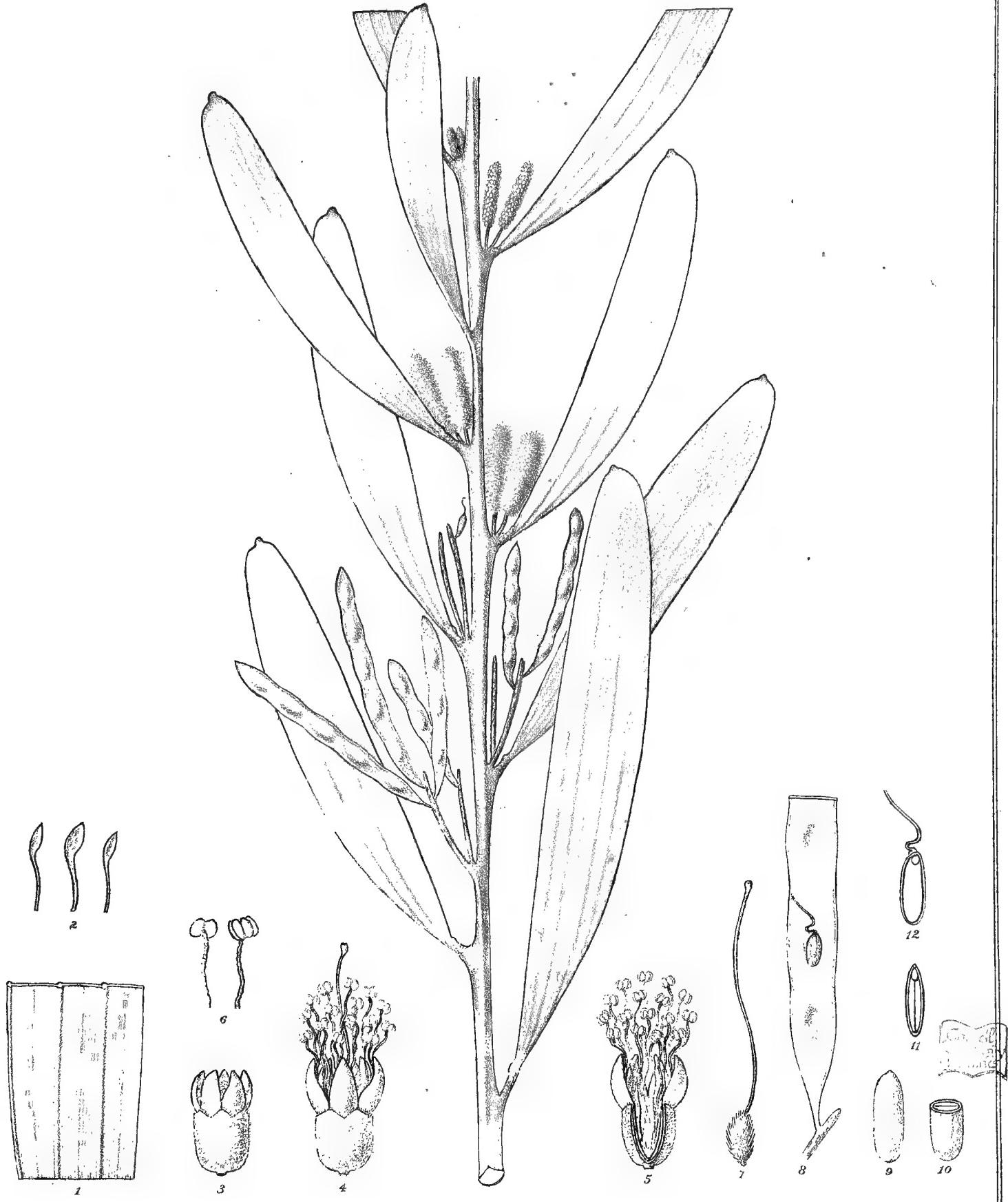


ACACIA GONOCLADA.

F. v. M. in the Journal of the Linnean Society iii. 140 (1858).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded perfect flower.
- 5, expanded flower, laid open, staminate only.
- 6, back- and front-view of a stamen.
- 7, pistil.
- 8, portion of a fruit-valve with a seed.
- 9, a seed, separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.

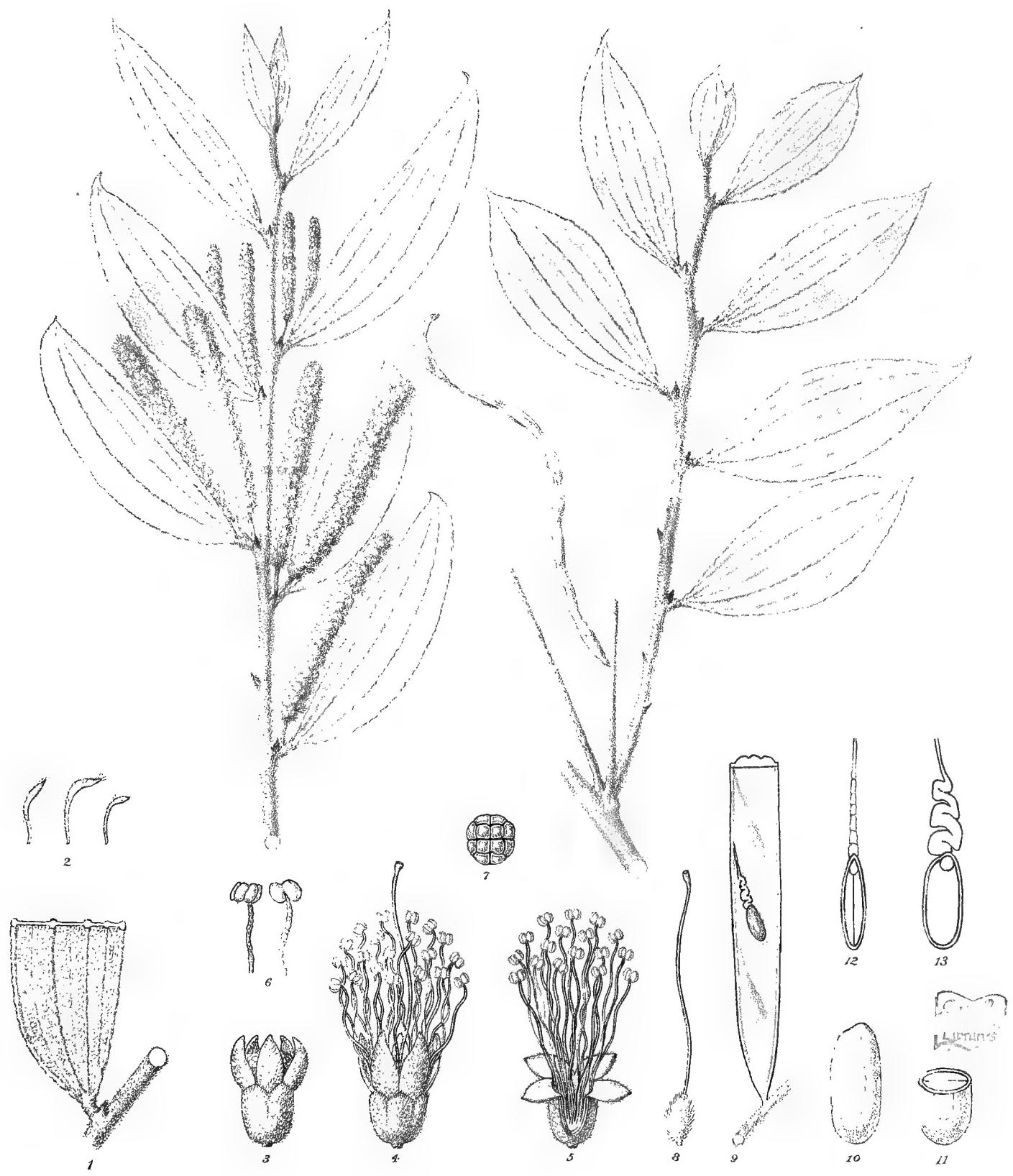


ACACIA STIPULIGERA.

F. v. M. in the Journal of the Linnean Society iii. 144 (1858).

- 1, portion of a branchlet.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded perfect flower.
- 5, expanded flower, laid open, staminate only.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, portion of a fruit-valve with a seed.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.

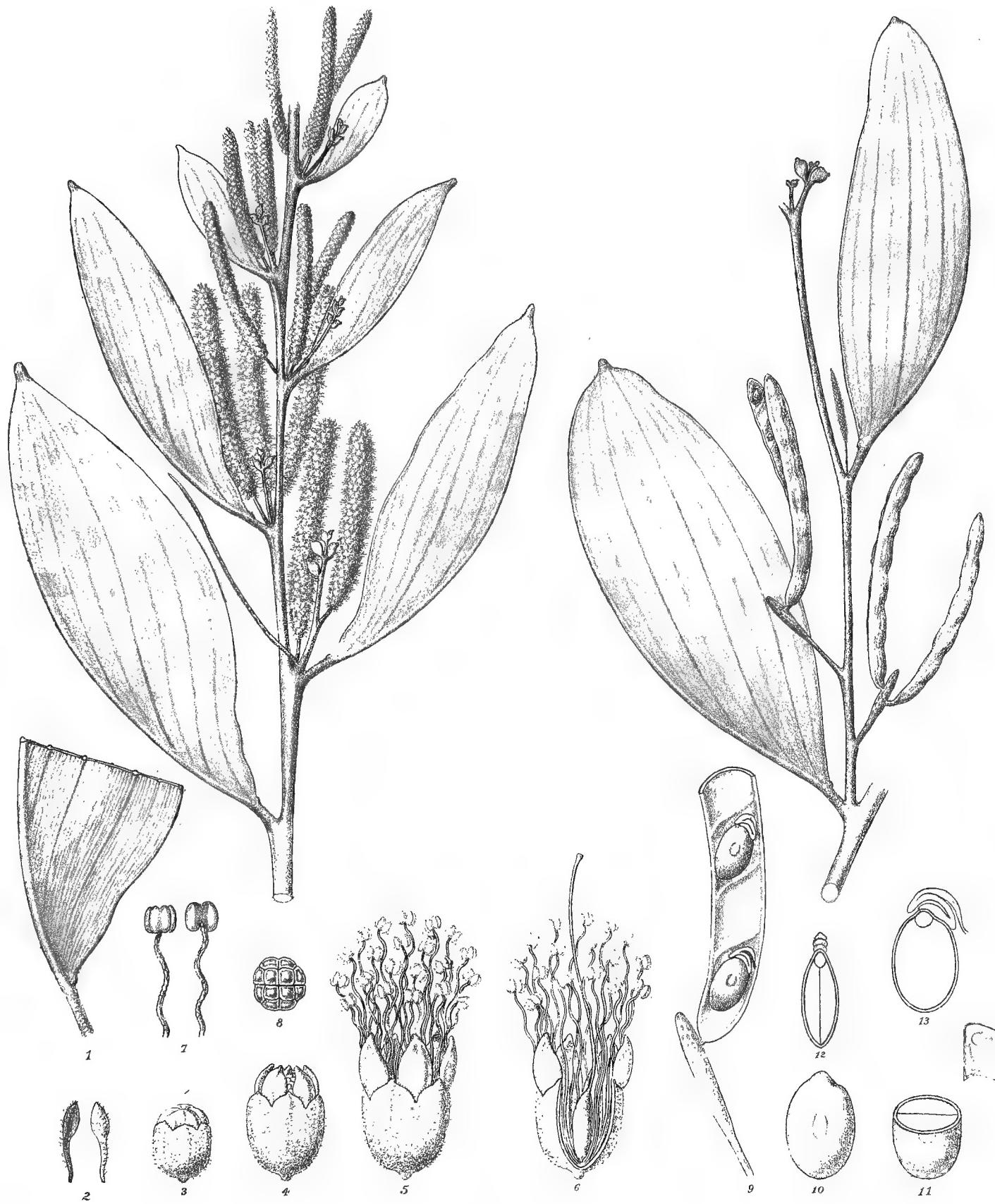


ACACIA ACRADENIA.

F. v. M. in the Journal of the Linnean Society iii. 142 (1859).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, flower-bud.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, perfect flower, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, portion of a fruit-valve with seeds.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA HOLCOCARPA.

Bentham, Flora Australiensis ii. 408 (1864).

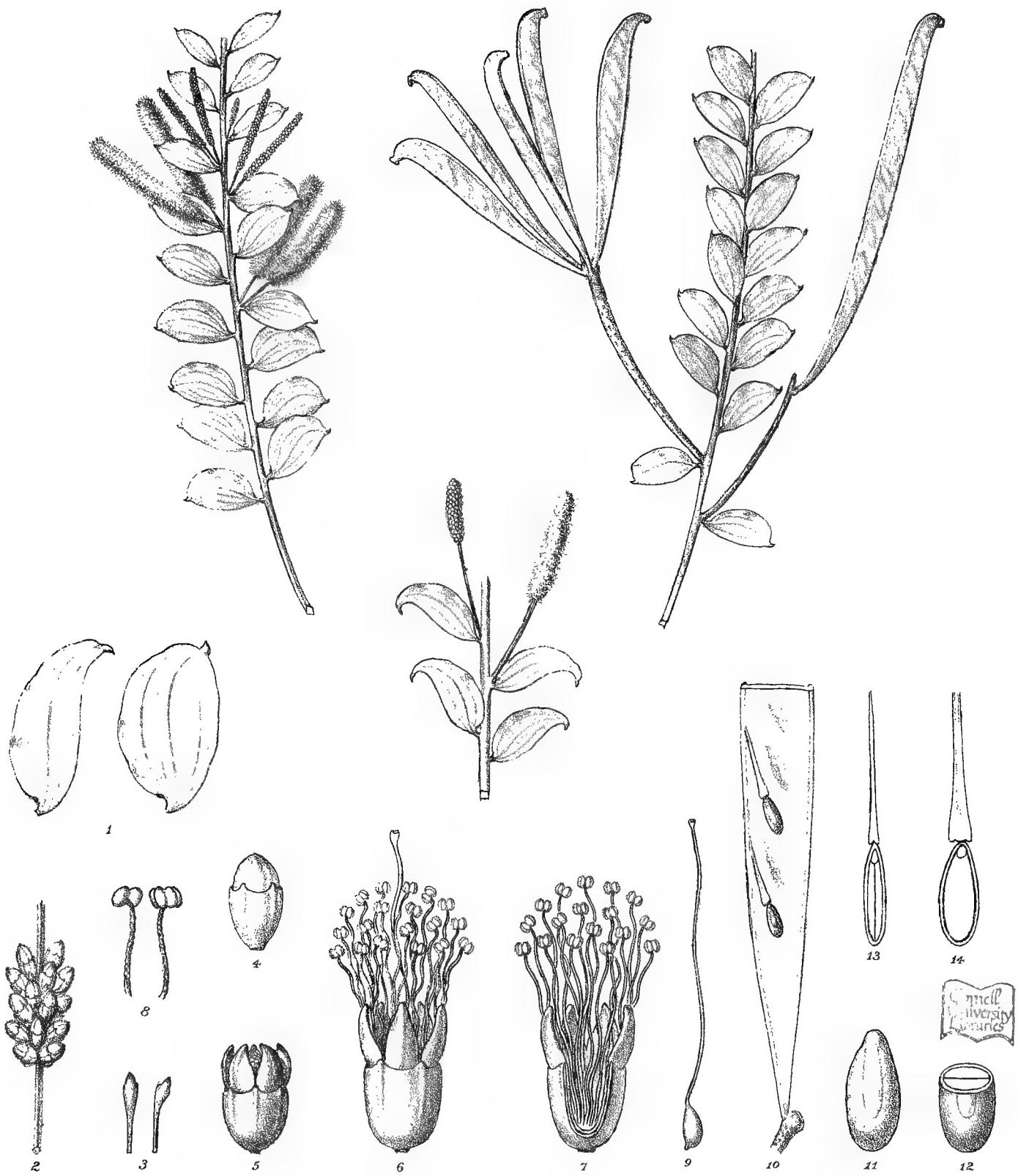
- 1, portion of a phyllodium.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded perfect flower.
- 6, expanded flower, laid open, staminate only.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, pistil.
- 10, portion of a fruit-valve with seeds.
- 11, a seed, separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
All enlarged, but to various extent.



ACACIA WICKHAMI.

Bentham in Hooker's London Journal of Botany i. 379 (1842).

- 1, phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, flower-bud.
- 5, unexpanded flower.
- 6, expanded perfect flower.
- 7, expanded flower, laid open, staminate only.
- 8, back- and front-view of a stamen.
- 9, pistil.
- 10, portion of a fruit-valve with a seed.
- 11, a seed, separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
All enlarged, but to various extent.



ACACIA CONJUNCTIFOLIA.

F. v. M. fragmenta phytographiae Australiae xi. 68 (1879).

- 1, portion of a branchlet with phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, perfect.
- 6, flower laid open, staminate only.
- 7, front- and back-view of a stamen.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



R.Graff. del. C.Troedel. C° Lith.

FvM. direxit.

Steam. Litho Gov. Printing Office. Melb.

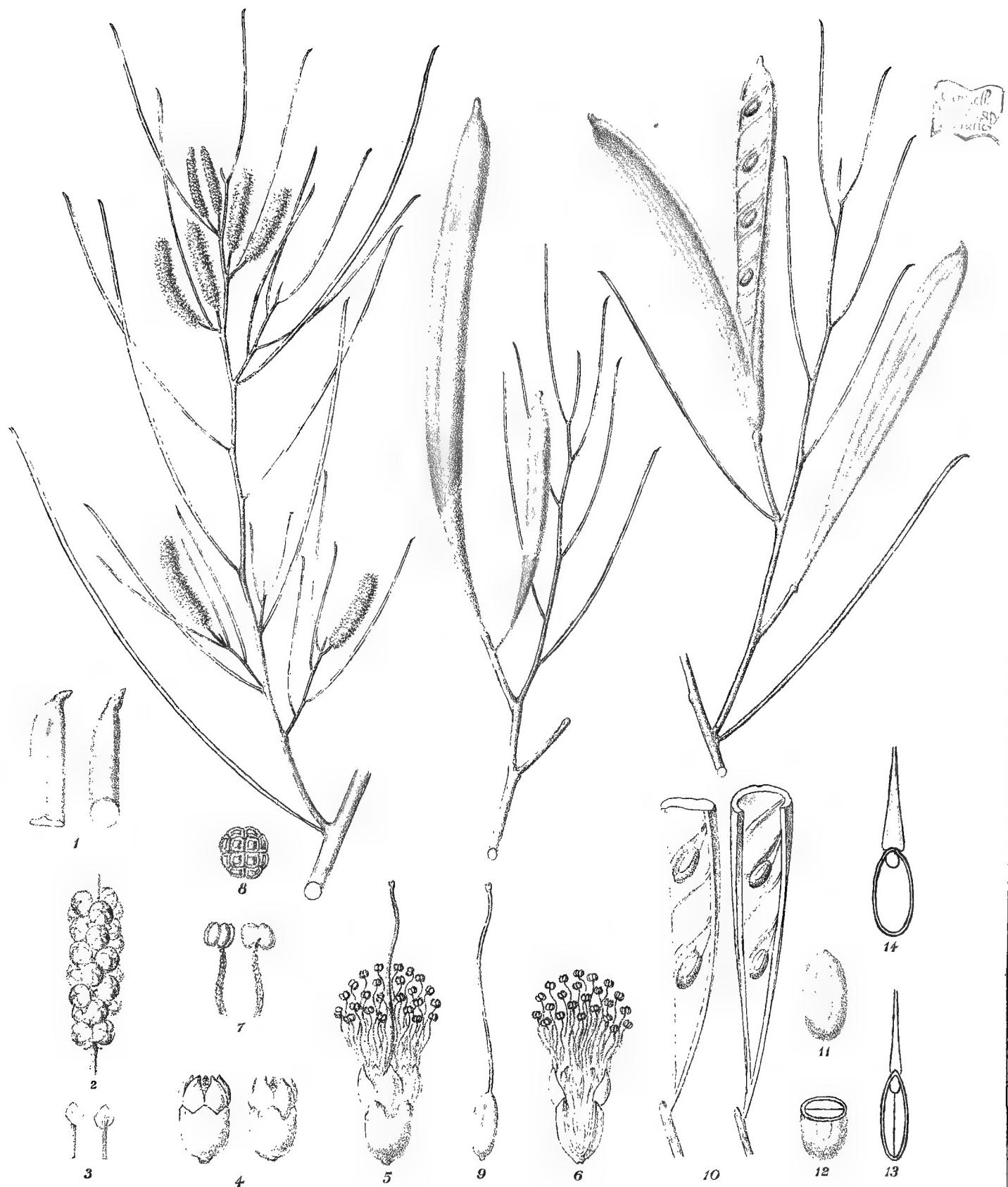
Acacia conjunctifolia FvM.

Gornell
University
Library

ACACIA XYLOCARPA.

A. Cunningham in Hooker's London Journal of Botany i. 370 (1842).

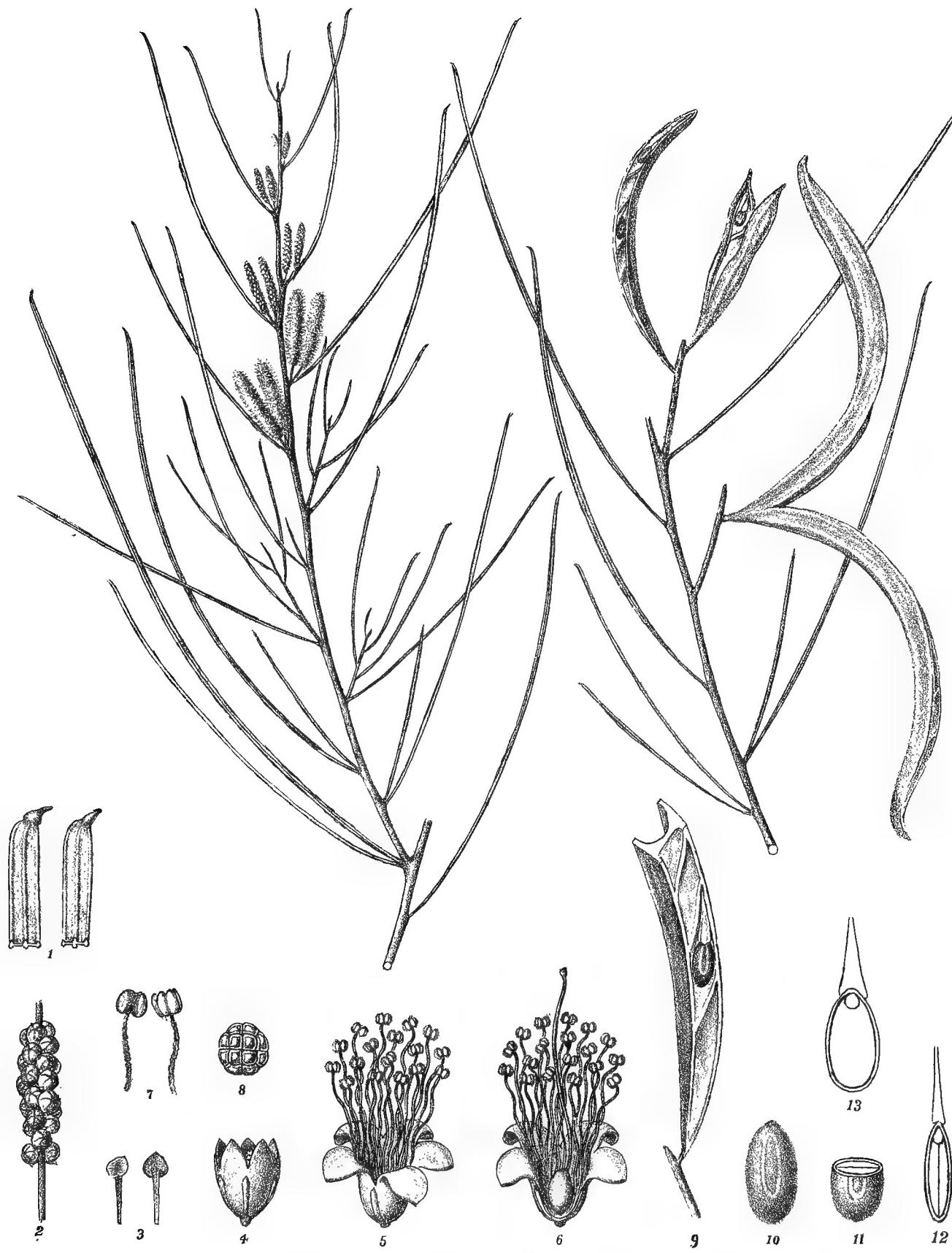
- 1, portions of phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flowers.
- 5, expanded perfect flower.
- 6, expanded flower, staminate only, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, pistil.
- 10, portions of a fruit-valve with seeds.
- 11, a seed, separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
All enlarged, but to various extent.



ACACIA GONOCARPA.

F. v. M. in the Journal of the Linnean Society iii. 136 (1858).

- 1, portions of phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, portion of a fruit-valve with a seed.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.
All enlarged, but to various extent.

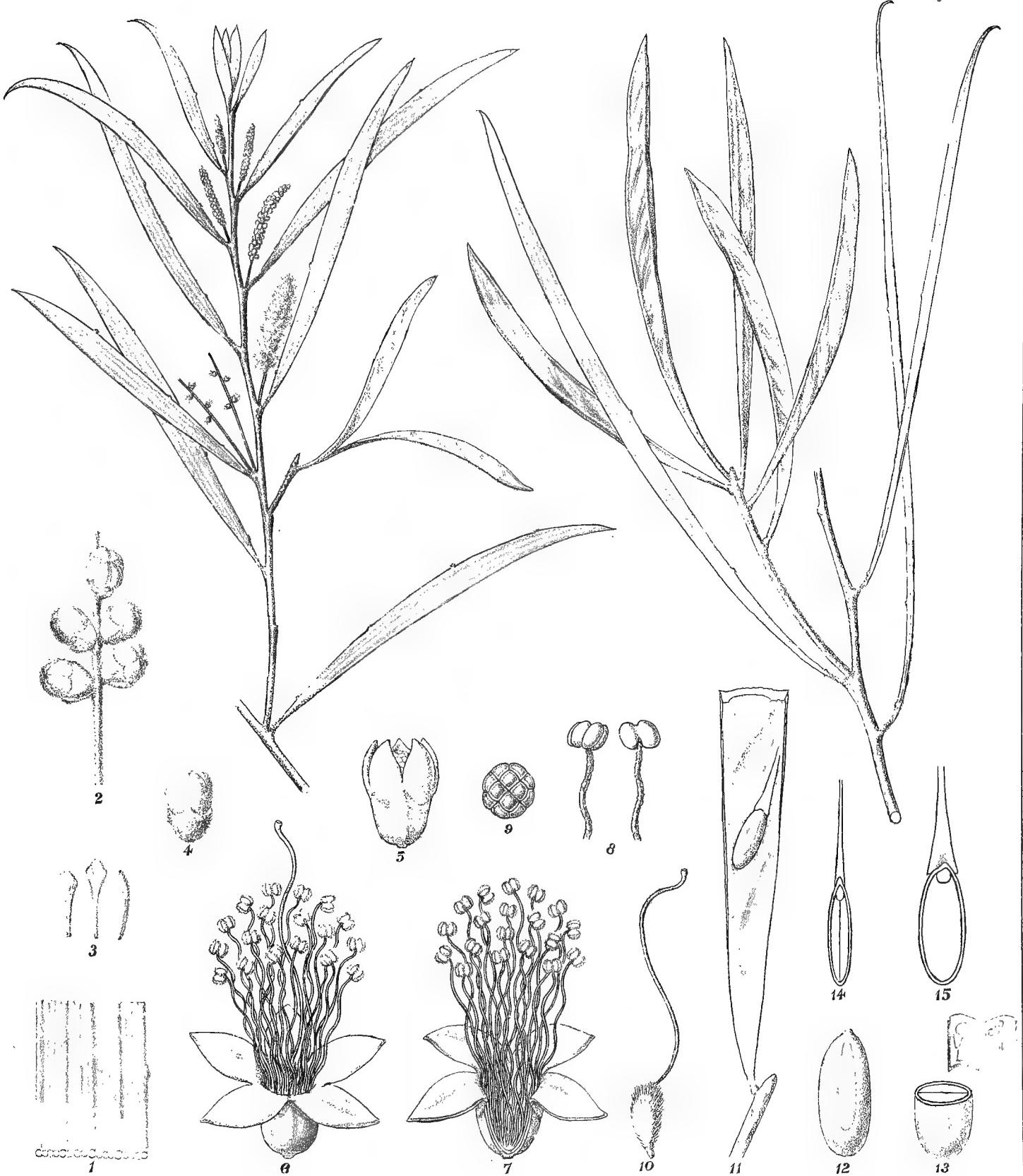


ACACIA DREPANOCARPA.

F. v. M. in the Journal of the Linnean Society iii. 137 (1858).

- 1, portion of a phyllodium.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, flower-bud.
- 5, unexpanded flower.
- 6, expanded flower, perfect.
- 7, flower, laid open, staminate only.
- 8, front- and back-view of a stamen.
- 9, pollen-grain.
- 10, pistil.
- 11, lower portion of a fruit-valve with a seed.
- 12, a seed, separated.
- 13, transverse section of a seed.
- 14 and 15, longitudinal sections of seeds.

All enlarged, but to various extent.



C O N T E N T S.

ACACIA DELIBRATA.

GONOCLADA.

STIPULIGERA.

ACRADENIA.

HOLCOCARPA.

ACACIA WICKHAMI.

CONJUNCTIFOLIA.

XYLOCARPA.

GONOCARPA.

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TWELFTH DECADE.

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BY AUTHORITY:

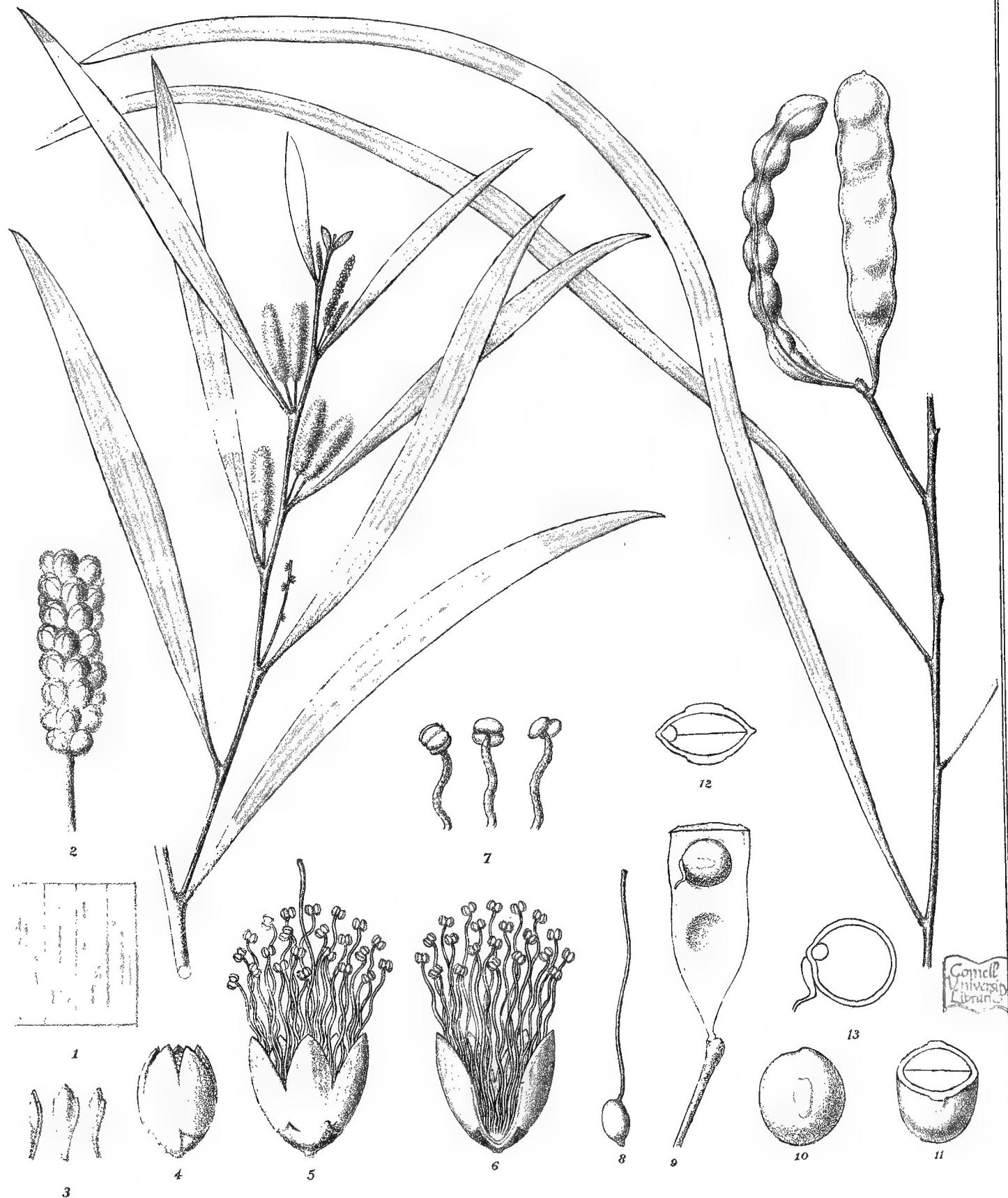
ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.

ACACIA PACHYCARPA.

F. v. M. in Journal of the Linnean Society iii. 139 (1858).

- 1, portion of a phyllodium.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, perfect.
- 6, staminate flower, laid open.
- 7, front- back- and side-view of stamens.
- 8, pistil.
- 9, lower portion of a fruit-valve with seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.

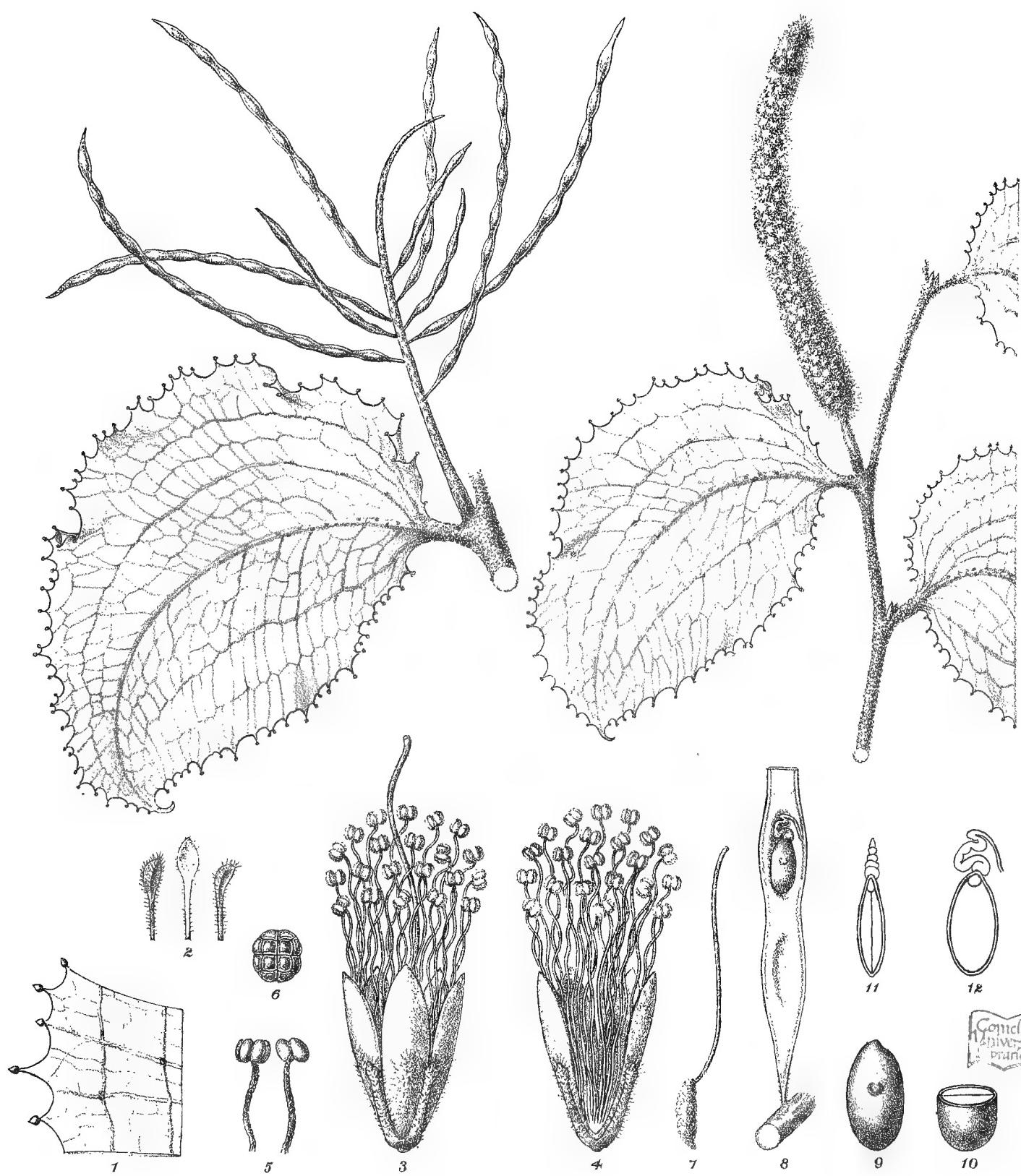


ACACIA DENTICULOSA.

F. v. M. fragmenta phytographiae Australiae x. 32 (1876).

- 1, portion of a phyllodium.
- 2, bracts.
‘
- 3, perfect flower.
- 4, flower, laid open, staminate only.
- 5, front- and back-view of a stamen.
- 6, pollen-grain.
- 7, pistil.
- 8, lower portion of a fruit-valve with a seed.
- 9, a seed separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.

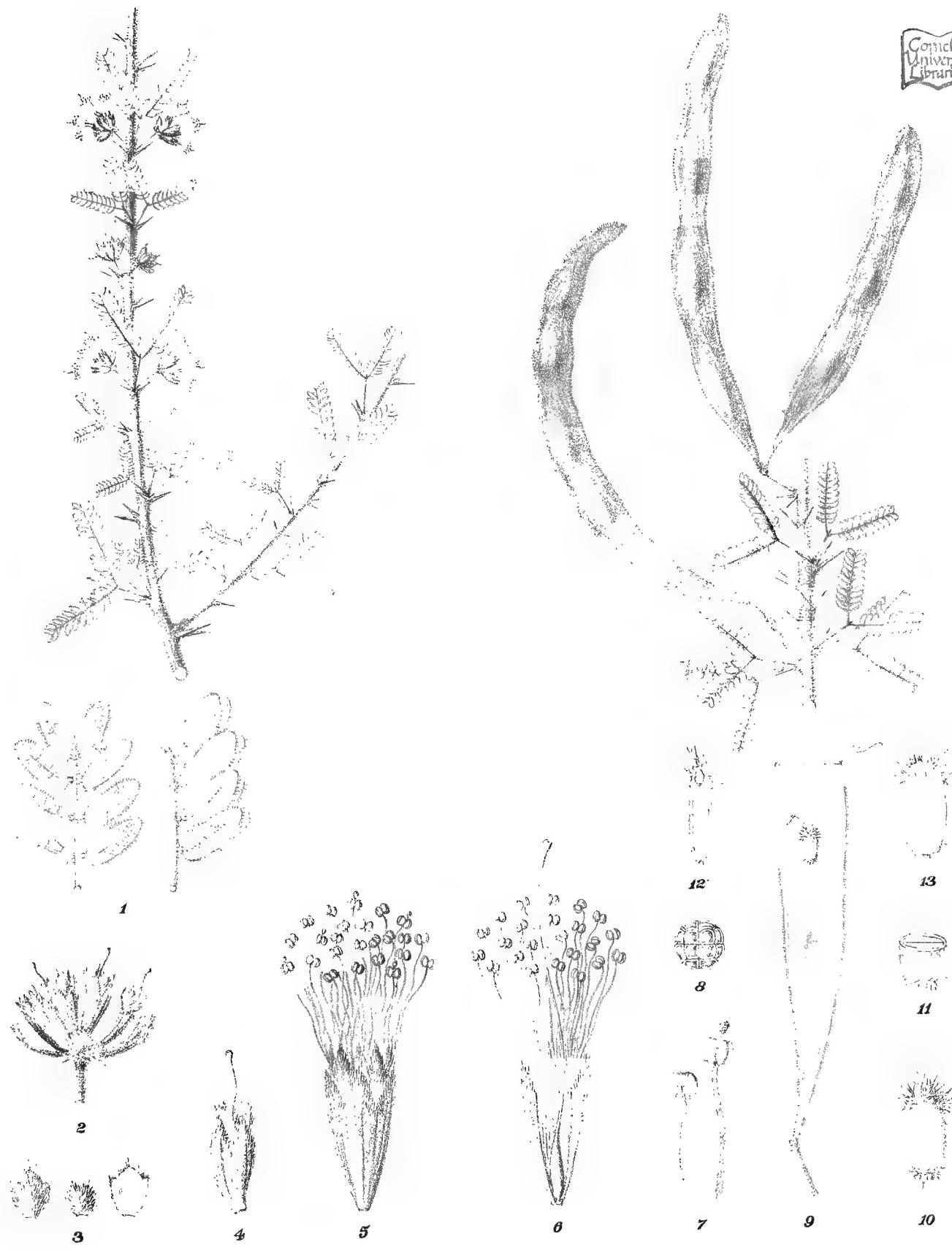


ACACIA SUBEROSA.

Cunningham in Hooker's London Journal of Botany i. 499 (1842).

- 1, portions of a leaf.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, back- and front-view of stamens, one glandule-bearing.
- 8, pollen-grain.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.

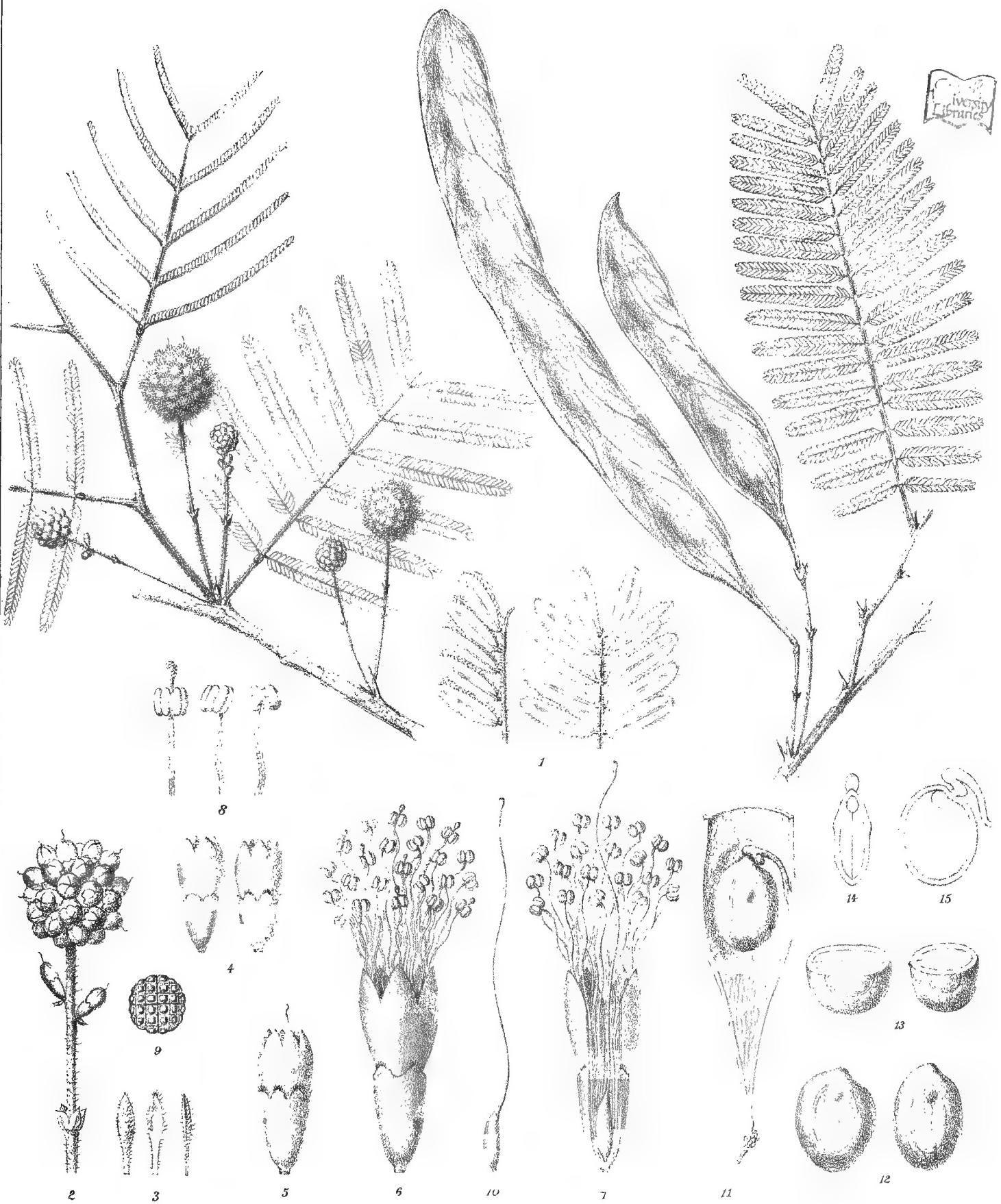


ACACIA BIDWILLI.

Bentham in Schlechtendal's Linnaea xxvi. 629 (1853).

- 1, portions of a leaf.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4 and 5, unexpanded flowers.
- 6, expanded flower, staminate only.
- 7, expanded perfect flower, laid open.
- 8, front- side- and back- view of stamens, one glandule-bearing.
- 9, pollen-grain.
- 10, pistil.
- 11, lower portion of a fruit-valve with a seed.
- 12, two seeds separated.
- 13, transverse sections of two seeds.
- 14 and 15, longitudinal sections of seeds.

All enlarged, but to various extent.

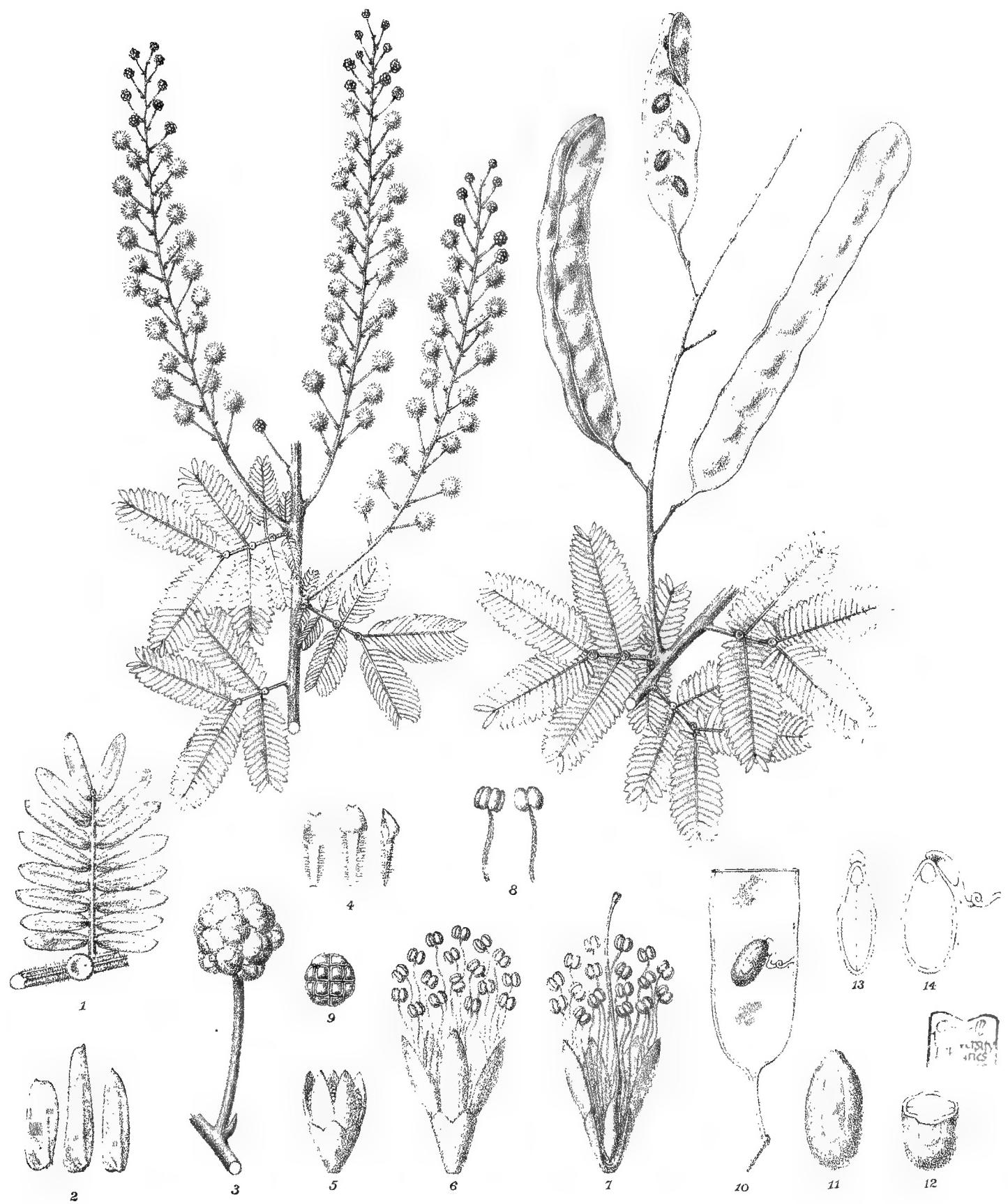


ACACIA BAILEYANA.

F. v. M. in the transactions of the Royal Society of Victoria (1887).

- 1, portion of a leaf.
- 2, leaflets.
- 3, head of unexpanded flowers.
- 4, bracts.
- 5, unexpanded flower.
- 6, expanded flower, staminate only.
- 7, expanded perfect flower, laid open.
- 8, front- and back-view of a stamen.
- 9, pollen-grain.
- 10, lower portion of a fruit-valve with a seed.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.

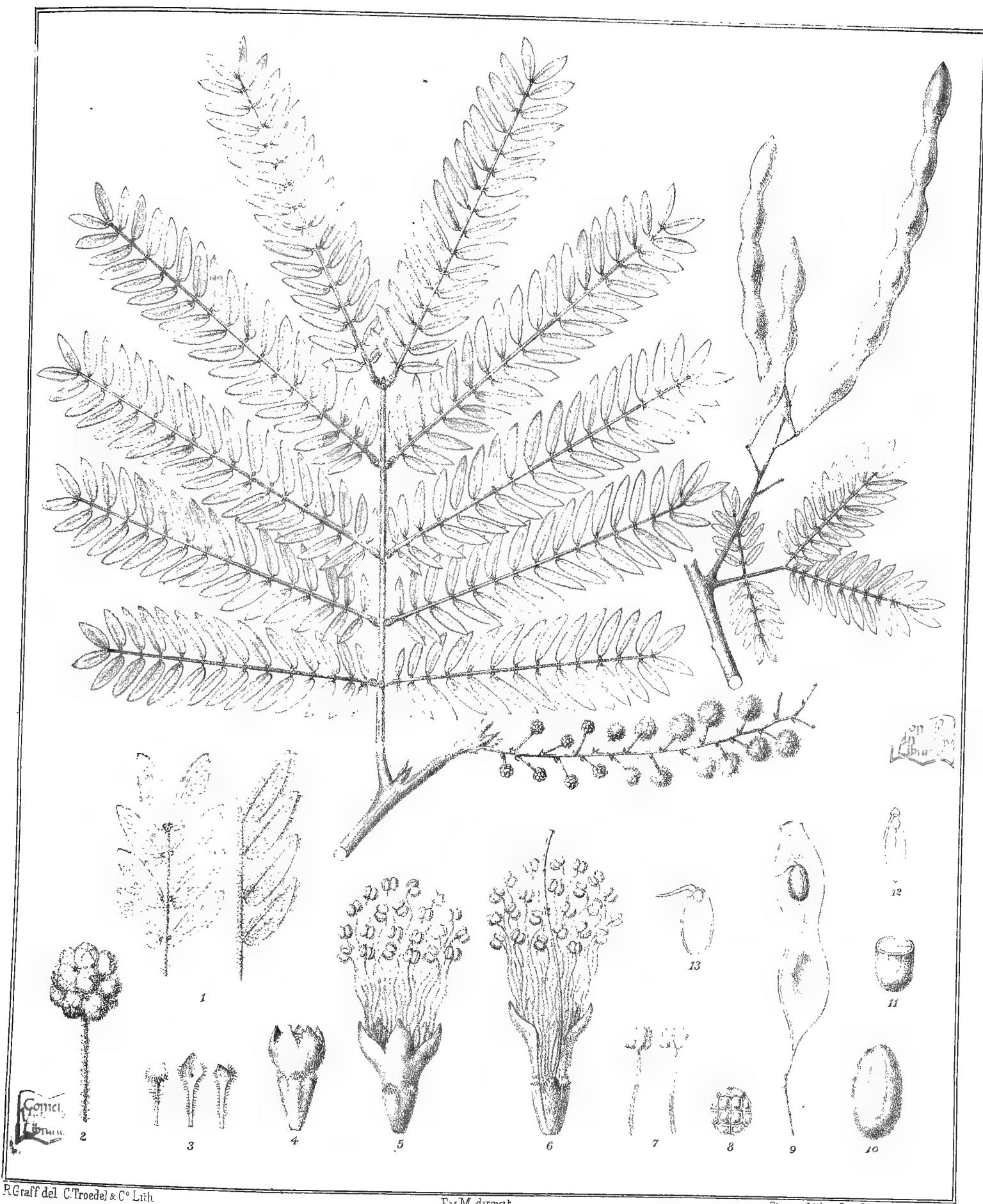


ACACIA POLYBOTRYA.

Bentham in Hooker's London Journal of Botany i. 384 (1842)-

- 1, portions of leaves.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



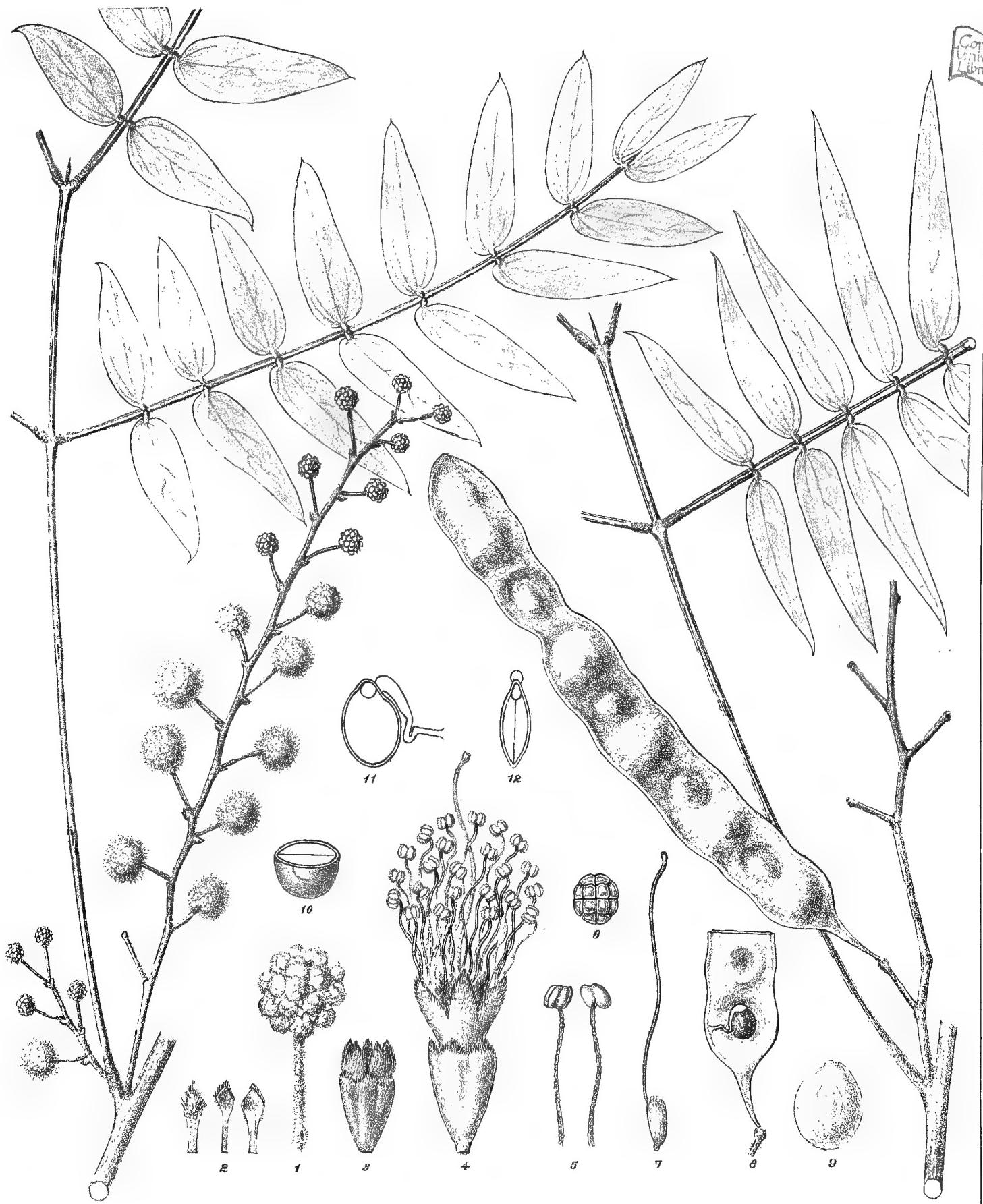
ACACIA ELATA.

Cunningham in Hooker's London Journal of Botany i. 383 (1842).

- 1, head of unexpanded flowers.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, front- and back-view of a stamen.
- 6, pollen-grain.
- 7, pistil.
- 8, lower portion of a fruit-valve with a seed.
- 9, a seed separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.

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Vic Libr

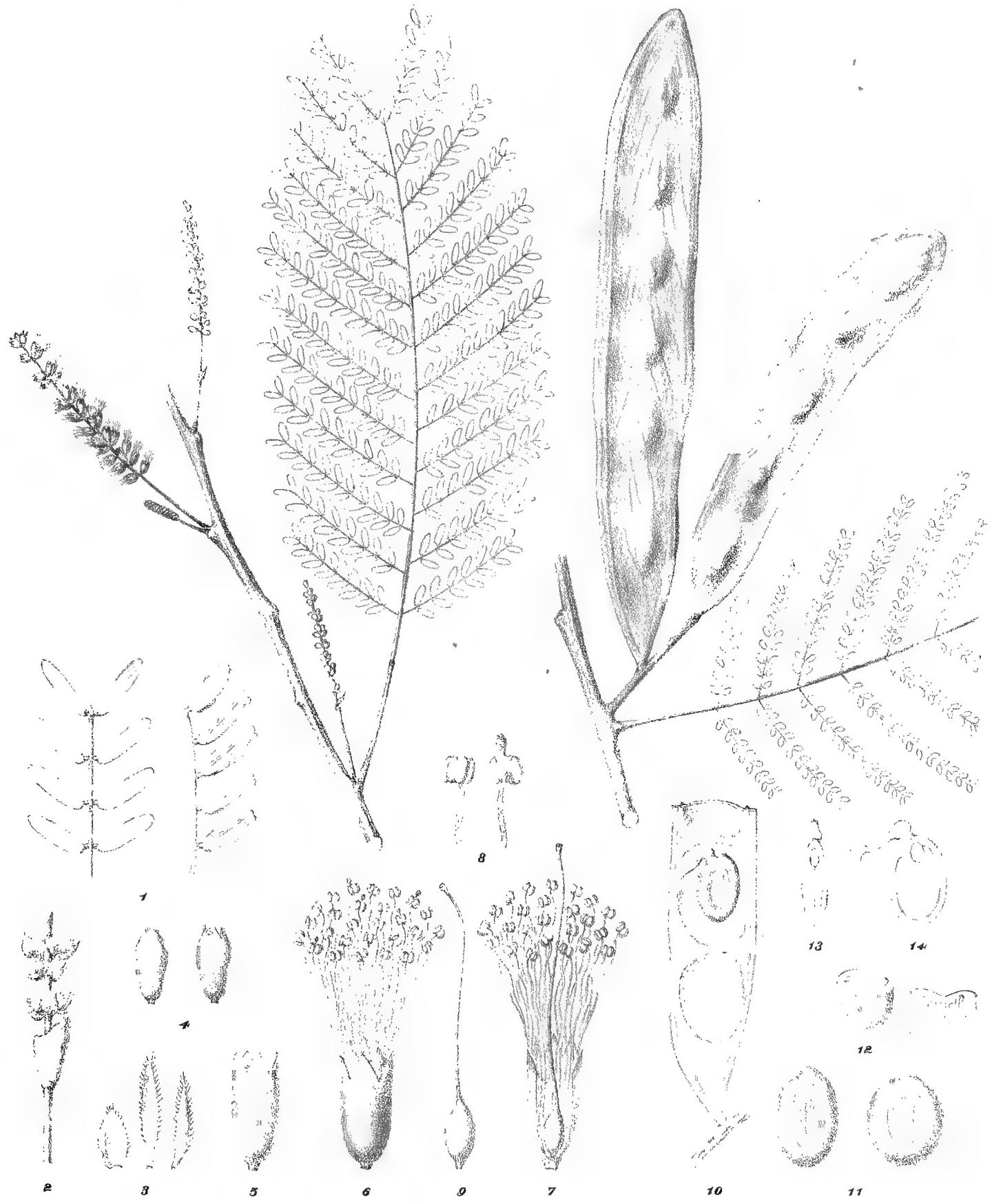


ACACIA SUTHERLANDI.

F. v. M. Albizzia Sutherlandi, F. v. M. fragmenta phytographiae Australiae vi.
22 (1867).

- 1, portions of leaves.
- 2, portion of a spike of unexpanded flower.
- 3, bracts.
- 4, flower-buds.
- 5, unexpanded flower.
- 6, expanded flower, staminate only.
- 7, expanded perfect flower, laid open.
- 8, front- and back-view of a stamen, one glandule-bearing.
- 9, pistil.
- 10, portion of a fruit-valve with one seed.
- 11, two seeds separated.
- 12, transverse section of a seed.
- 13, longitudinal sections of seeds.

All enlarged, but to various extent.



R. Graff del. C. Troedel & C° Lith.

FvM. direxit

Steam Litho. Gov. Printing Office Melb.

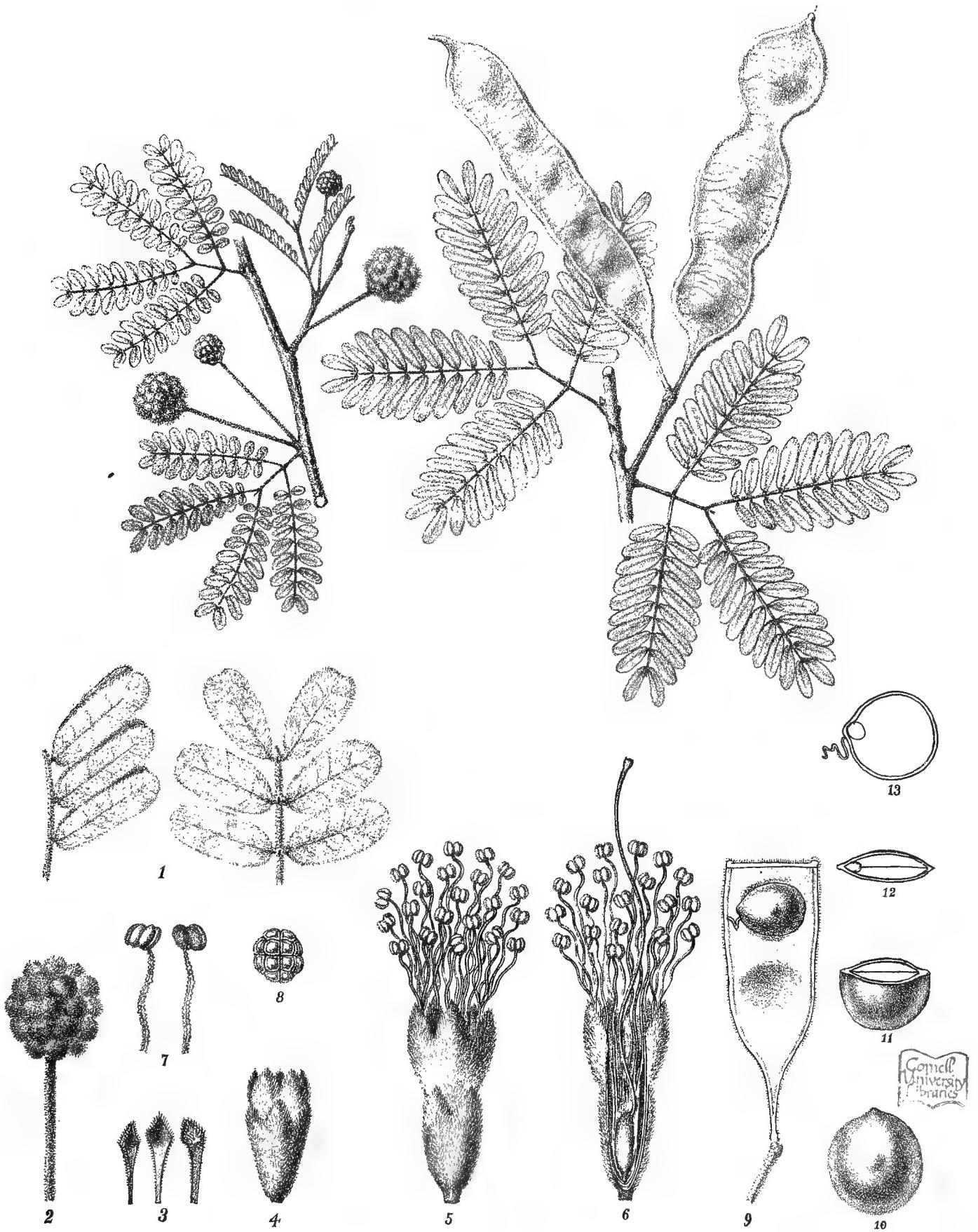
Acacia Sutherlandi FvM.

ALBIZZIA BASALTICA.

Bentham, Flora Australiensis ii. 422 (1864).

- 1, portions of leaves.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



ALBIZZIA THOZETIANA.

F. v. M. in Bentham's Flora Australiensis ii. 422 (1864).

- 1, head of unexpanded flowers.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower, staminate only.
- 5, expanded perfect flower, laid open.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, lower portion of a fruit-valve with a seed.
- 9, a seed separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.



C O N T E N T S.

<i>ACACIA PACHYCARPA.</i>	{	<i>ACACIA POLYBOTRYA.</i>
<i>DENTICULOSA.</i>		<i>ELATA.</i>
<i>SUBEROSA.</i>		<i>SUTHERLANDI.</i>
<i>BIDWILLI.</i>		<i>ALBIZZIA BASALTICA.</i>
<i>BAILEYANA.</i>		<i>THOZETIANA.</i>

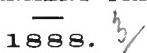
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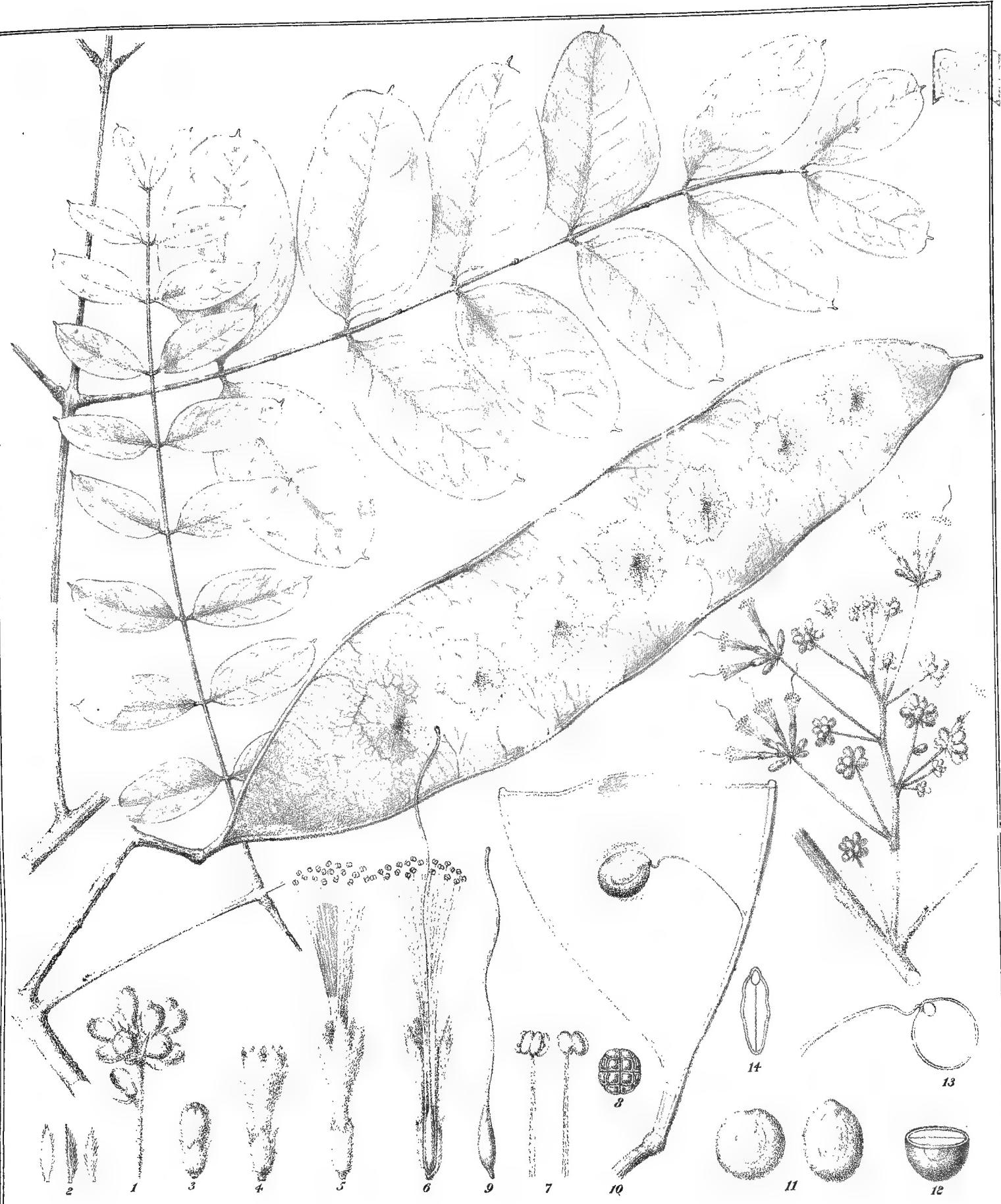
THIRTEENTH DECADE.

BY AUTHORITY:
ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.
1888. 

ALBIZZIA CANESCENS.

Bentham, Flora Australiensis ii. 423 (1864).

- 1, head of unexpanded flowers.
- 2, bracts.
- 3, flower-bud.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, pistil.
- 10, lower portion of a fruit-valve with a seed.
- 11, two seeds separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
All except 10 enlarged, but to various extent.



ALBIZZIA PRUINOSA.

F. v. M. in Trimen's Journal of Botany 9 (1872).

- 1, bracts.
- 2, flower-bud.
- 3 and 4, unexpanded flowers.
- 5, expanded flower, laid open.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, lower portion of a fruit-valve with seeds.
- 9, a seed separated.
- 10, transverse sections of two seeds.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.

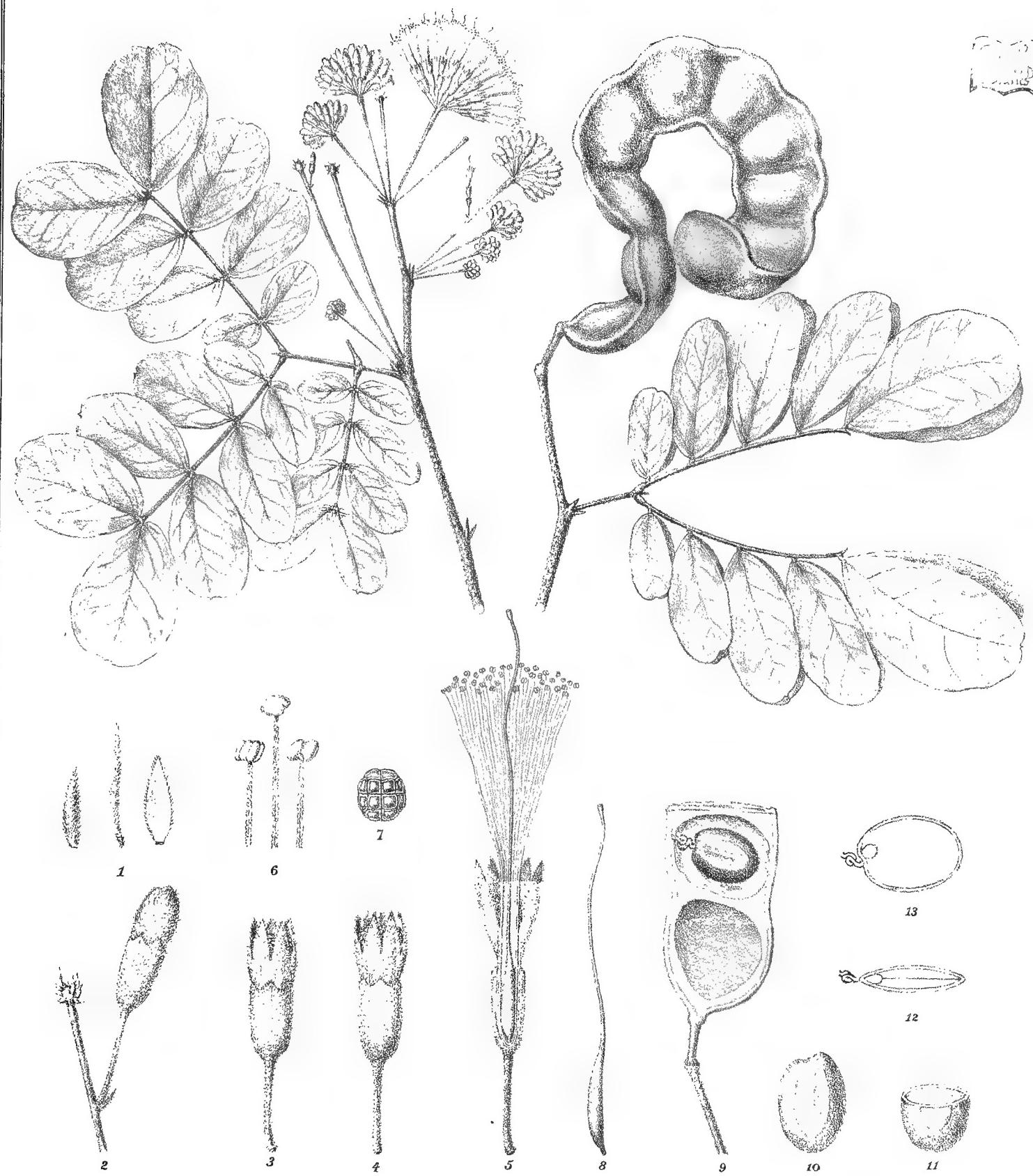


ALBIZZIA MONILIFERA.

F. v. M. in Trimen's Journal of Botany 10 (1872).

- 1, bracts.
- 2, portion of an inflorescence.
- 3 and 4, unexpanded flowers.
- 5, expanded flower, laid open.
- 6, front-, side- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



ALBIZZIA TOZERI.

F. v. M. in Trimen's Journal of Botany 10 (1872.)

1, bracts.

2, unexpanded flower.

3, expanded flower, laid open.

4, front- and back-view of a stamen.

5, pollen-grains.

6, pistil.

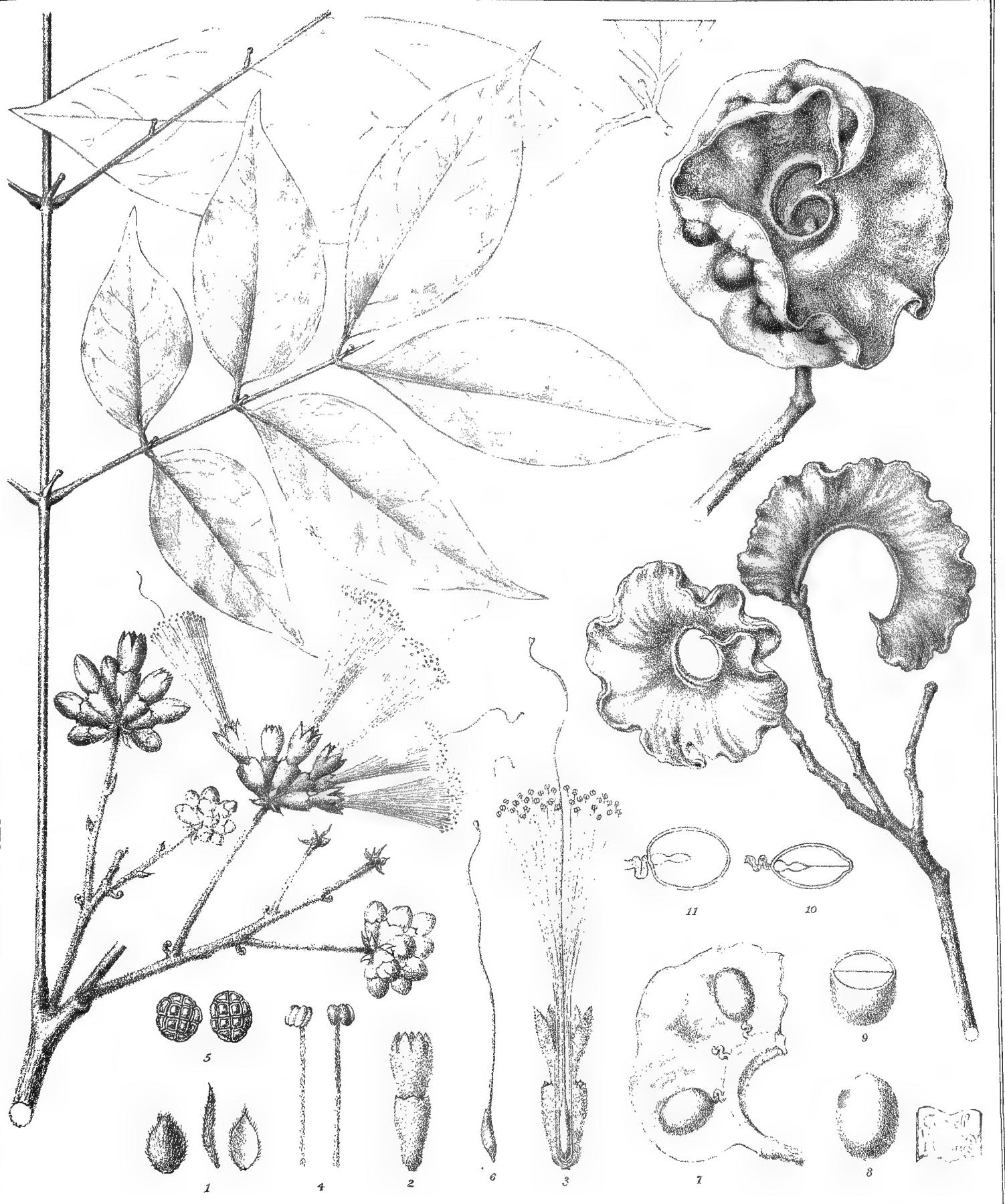
7, lower portion of a fruit-valve with two seeds.

8, a seed separated.

9, transverse section of a seed.

10 and 11, longitudinal sections of seeds.

All enlarged, but to various extent.



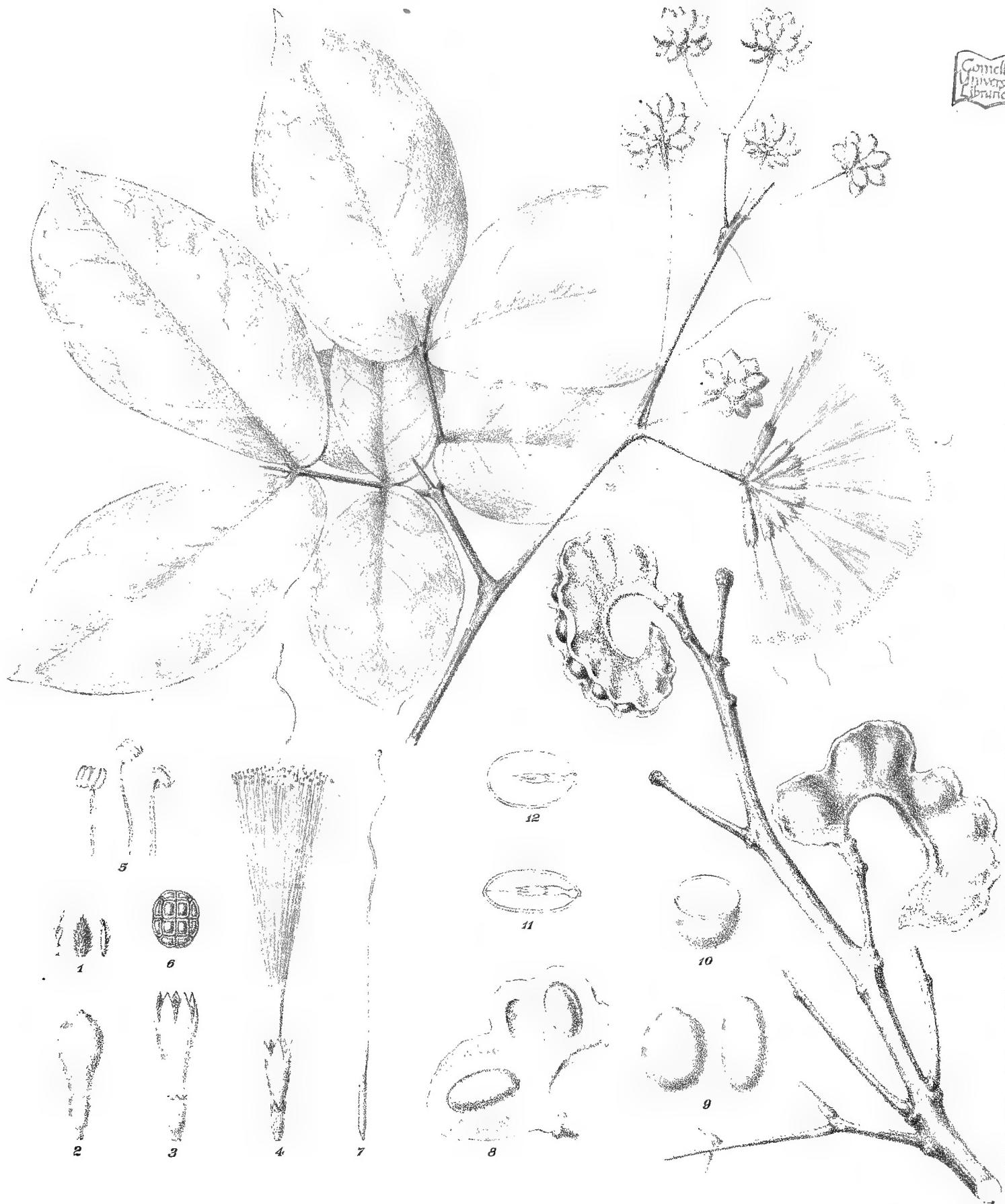
ALBIZZIA' HENDERSONI.

F. v. M. in Trimen's Journal of Botany 10 (1872).

- 1, bracts.
- 2, flower-bud.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, front-, side- and back-view of a stamen.
- 6, pollen-grain.
- 7, pistil.
- 8, lower portion of a fruit-valve with seeds.
- 9, two seeds separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.

Cornell
University
Libraries



ALBIZZIA LUCYI.

F. v. M., Archidendron Lucyi, F. v. M. fragmenta phytographiae Australiae
vi. 201 (1868).

1, flower-bud.

2, unexpanded flower.

3, expanded flower, laid open.

4, front- and back-view of a stamen.

5, pollen-grain.

6, pistils.

7, lower portion of a fruit-valve with a seed.

8, a seed separated.

9, transverse section of a seed.

10 and 11, longitudinal sections of seeds.

All enlarged, but to various extent.



ALBIZZIA VAILLANTII.

F. v. M., Archidendron Vaillantii, F. v. M. fragmenta phytographiae Australiae
v. 60 (1865).

1, bracts.

2, expanded perfect flower.

3, expanded flower laid open, staminate only

4, front- and back-view of a stamen.

5, pollen-grain.

6, pistils.

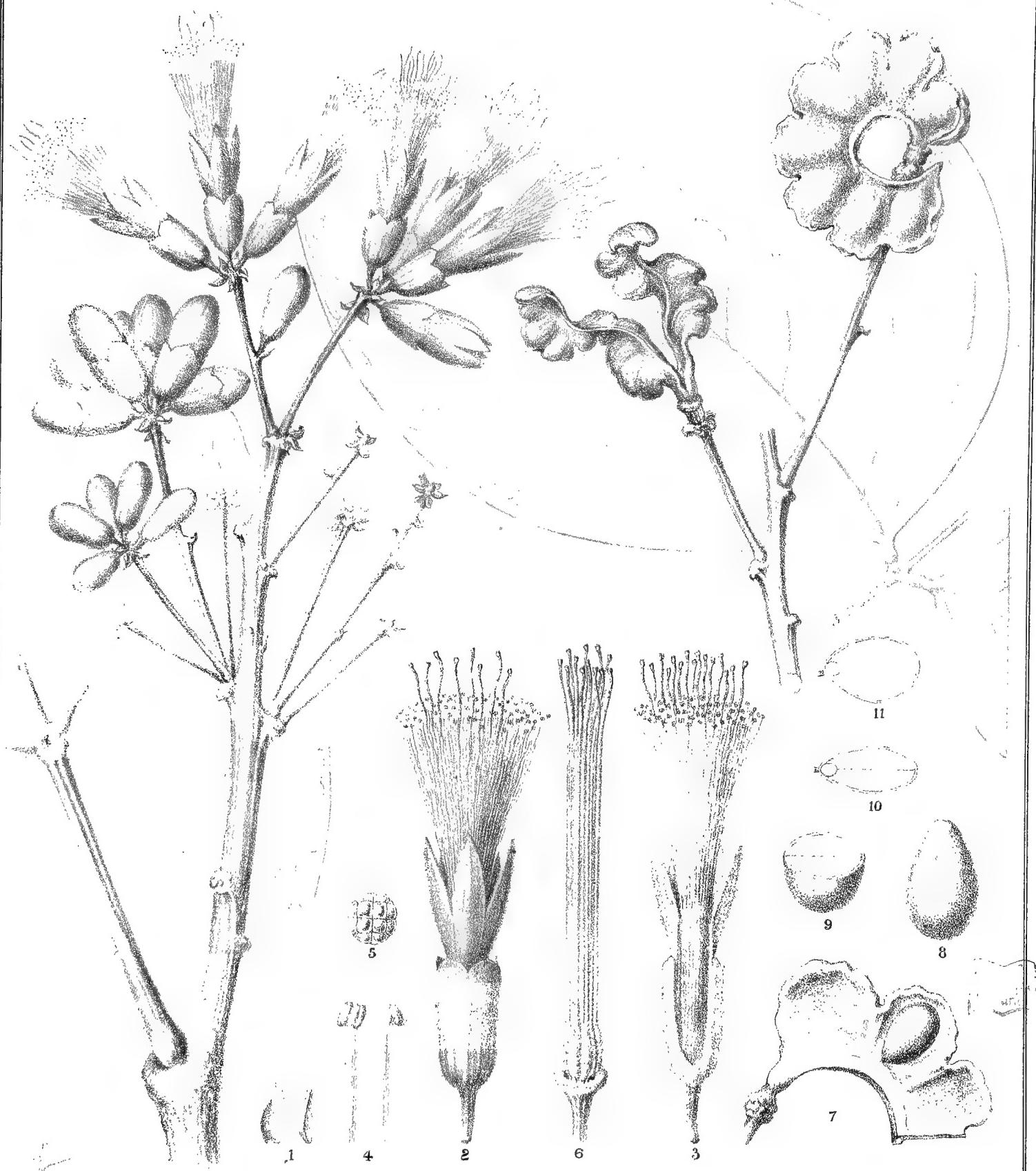
7, lower portion of a fruit-valve with a seed.

8, a seed separated.

9, transverse section of a seed.

10 and 11, longitudinal sections of seeds.

All enlarged, but to various extent.



R Graff del, C Troedel & C° Lith.

F v M direxit

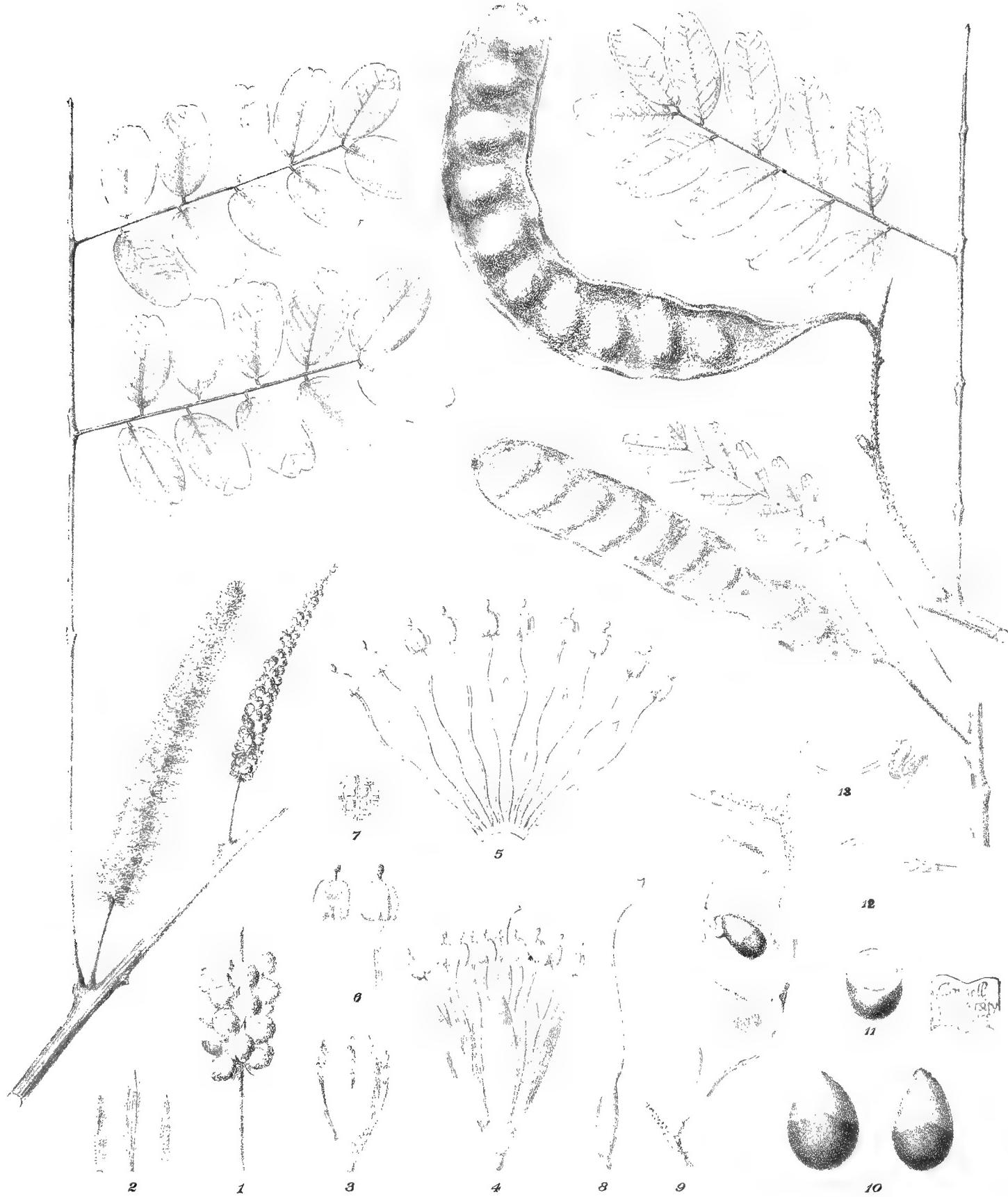
Steam Litho, Govt Printing Office, Melb.

Albizzia Vaillantii F.v.M

ADENANTHERA ABROSPERMA.

F. v. M. fragmenta phytographiae Australiae v. 30 (1865).

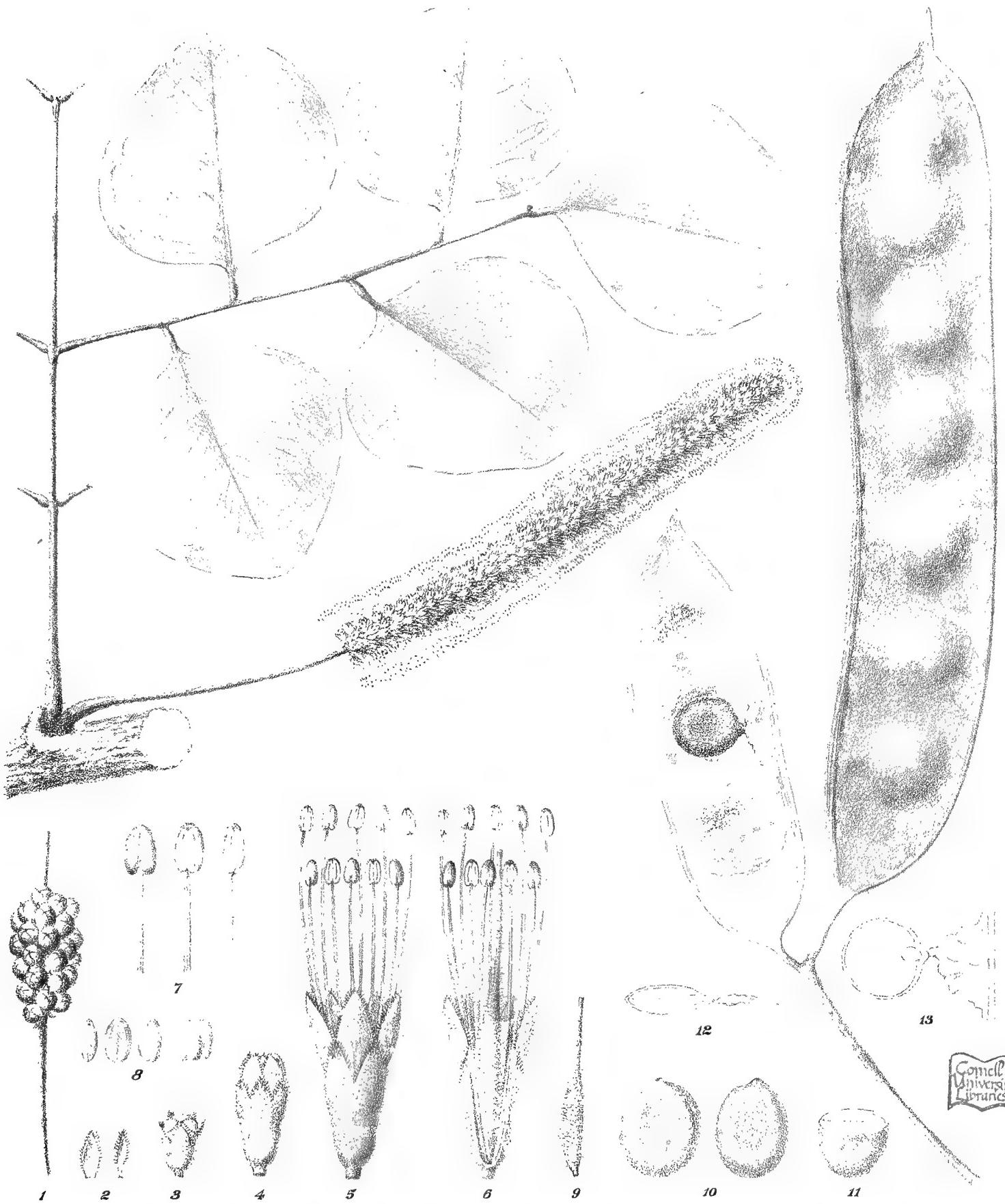
- 1, portion of a spike of unexpanded flowers.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, flower, laid open.
- 6, back- and front-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, two seeds separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.
All enlarged, but to various extent.



ERYTHROPHLAEUM LABOUCHERII.

F. v. M. in Bentham's Flora Australiensis ii. 297 (1864).

- 1, portion of a spike of unexpanded flowers.
- 2, bracts.
- 3, flower-bud.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, back-, front- and side-view of a stamen.
- 8, pollen-grains.
- 9, pistil.
- 10, two seeds.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.
All enlarged, but to various extent.



R.Graff del.C.Troedel & C° Lith.

F.v.M direxit

Steam Litho Govt Printing Office Melb.

Erythrophlaeum Laboucherii FvM

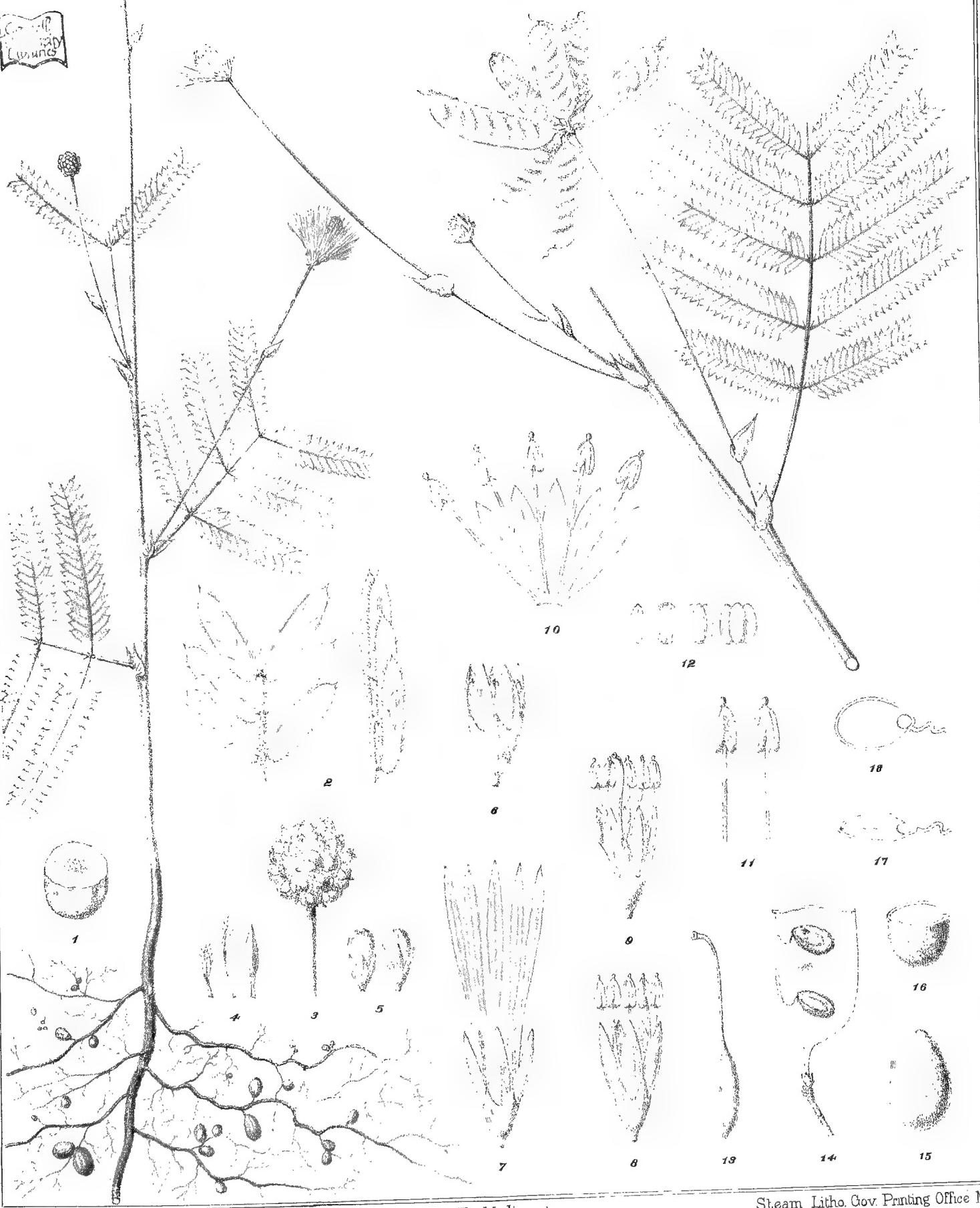
NEPTUNIA GRACILIS.

Bentham in Hooker's Journal of Botany iv. 355 (1842).

- 1, transverse section of a tuber.
- 2, portions of leaves.
- 3, head of unexpanded flowers.
- 4, bracts.
- 5, flower-buds.
- 6, unexpanded flower.
- 7, expanded sterile flower.
- 8, expanded fertile flower, staminate only.
- 9, expanded perfect flower.
- 10, staminate flower, laid open.
- 11, back- and front-view of a stamen.
- 12, pollen-grains.
- 13, pistil.
- 14, lower portion of fruit-valve with seeds.
- 15, a seed separated.
- 16, transverse section of a seed.
- 17 and 18, longitudinal sections of seeds.

All enlarged, but to various extent.

Carroll
City
Litho



R. Graff del. C. Troedel & C° Lith.

F. v M. direxit

Steam Litho Govt. Printing Office Melb.

***Neptunia* *gracilis* BENTHAM.**

ICONOGRAPHY
OF
AUSTRALIAN SPECIES OF ACACIA
AND
COGNATE GENERA,

BARON FERD. VON MUELLER, K.C.M.G., M. & PH.D., F.R.S.,

GOVERNMENT BOTANIST OF THE COLONY OF VICTORIA.

"SED GAUDEBITIS ET EXULTABITIS USQUE AD SEMPERNUM IN IIS, QUAE DEUS CREABAT."—*Prophetia Isaiae*, lxxv. 18.

DECades I.—XIII.

1887—1888.

BY AUTHORITY:

ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.

—
1888.

HIS EXCELLENCY

SIR HENRY BROUGHAM LOCH,

G.C.M.G., K.C.B.,

Governor of Victoria,

THIS VOLUME

ON A LARGE SYSTEMATIC ASSEMBLAGE OF PLANTS,

PARTICULARLY IMPORTANT FOR HORTICULTURE AND TECHNOLOGY,

AND

NUMERICALLY PREDOMINANT

IN

HER MAJESTY'S AUSTRALIAN DOMINIONS,

Is Dedicated

IN PROFOUNDEST OBEDIENCE.

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OF ACACIA AND COGNATE GENERA.

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C O N T E N T S.

<i>ALBIZZIA CANESCENS.</i>	}	<i>ALBIZZIA LUCYI.</i>
<i>PRUINOSA.</i>		<i>VAILLANTII.</i>
<i>MONILIFERA.</i>		<i>ADENANTHERA ABROSPERMA.</i>
<i>TOZERI.</i>		<i>ERYTHROPHLAEUM LABOUCHERII.</i>
<i>HENDERSONI.</i>		<i>NEPTUNIA GRACILIS.</i>

